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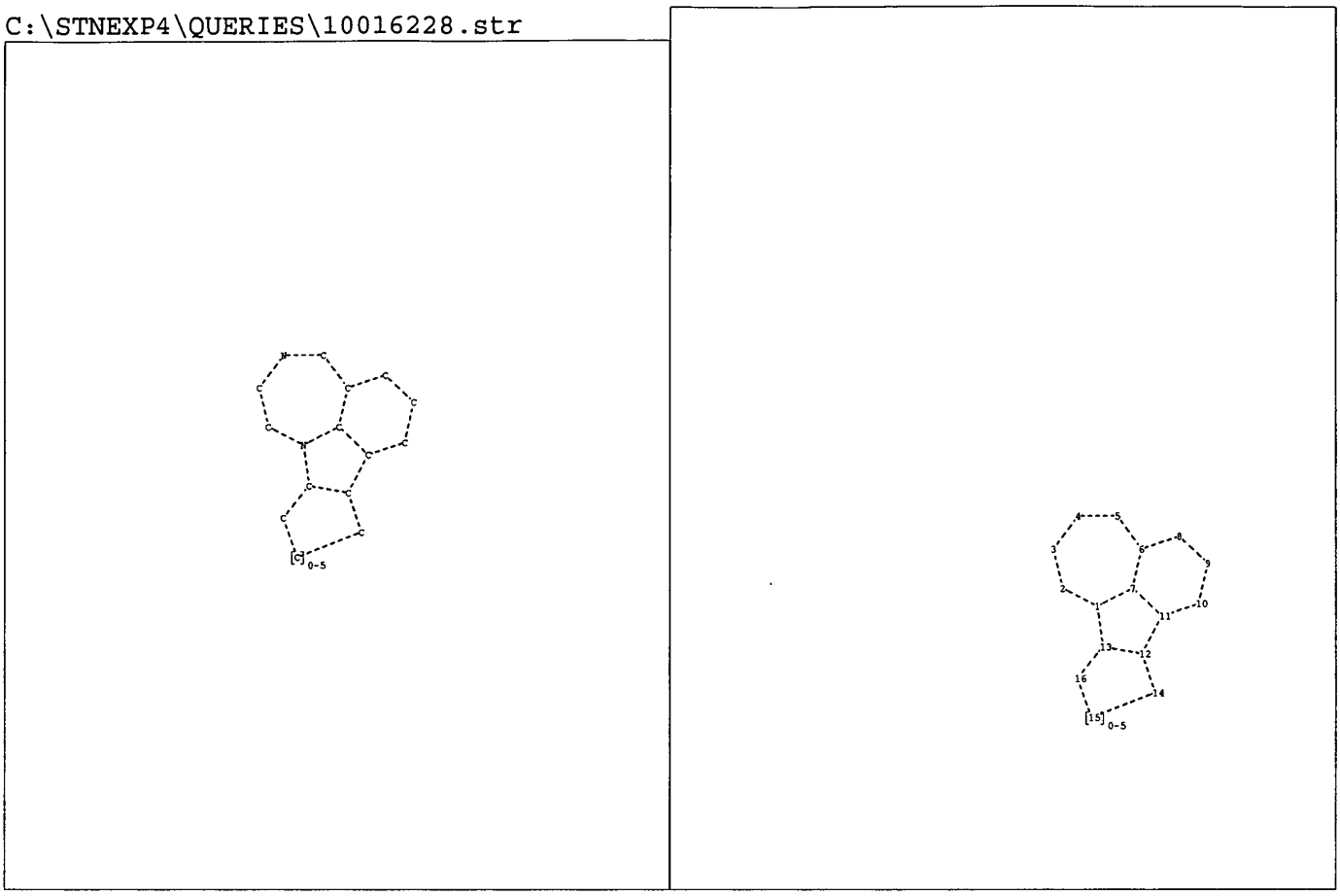

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
ring bonds :
1-2 1-7 1-13 2-3 3-4 4-5 5-6 6-7 6-8 7-11 8-9 9-10 10-11
11-12 12-13 12-14 13-16 14-15 15-16
exact/norm bonds :
1-2 1-7 1-13 2-3 3-4 4-5 5-6 6-7 6-8 7-11 8-9 9-10 10-11
11-12 12-13 12-14 13-16 14-15 15-16

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom

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=> d his

     (FILE 'HOME' ENTERED AT 12:49:55 ON 02 AUG 2002)

     FILE 'REGISTRY' ENTERED AT 12:50:00 ON 02 AUG 2002
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L2                QUE L1
L3             17 S L2
L4                STRUCTURE UPLOADED
L5                QUE L4
L6             10 S L5
L7            164 S L5 SSS FUL

     FILE 'CAPLUS' ENTERED AT 12:52:22 ON 02 AUG 2002
L8             20 S L7

=> d l5
L5 HAS NO ANSWERS
L4                STR
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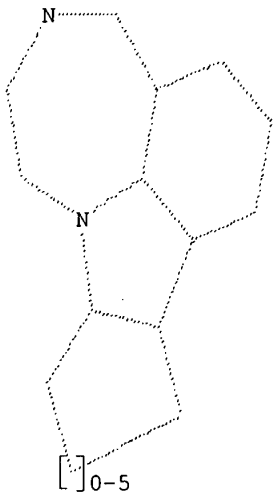


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Structure attributes must be viewed using STN Express query preparation.
L5                QUE  ABB=ON  PLU=ON  L4

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L8 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2002:408673 CAPLUS
DN 137:6202
TI Preparation of cyclopenta[b][1,4]diazepino[6,7,1-hi]indoles as selective 5-HT2c receptor agonists
IN Sabb, Annmarie Louise; Vogel, Robert Lewis; Nelson, James Albert; Rosenzweig-Lipson, Sharon Joy; Welmaker, Gregory Scott; Sabalski, Joan Eileen; Smith, Michael David; Chan, Anita Wai-Yin; Antane, Madelene Miyoko; Raveendranath, Panolil; Megati, Sreenivasulu
PA Wyeth, John, and Brother Ltd., USA
SO PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002042304	A2	20020530	WO 2001-US45792	20011101
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2000-245591P	P	20001103		
	US 2000-245593P	P	20001103		
	US 2000-245843P	P	20001103		
	US 2000-245915P	P	20001103		
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OS MARPAT 137:6202
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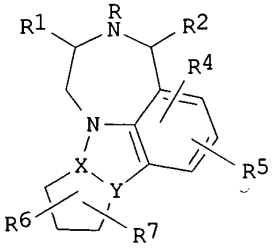

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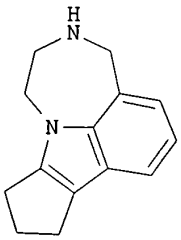


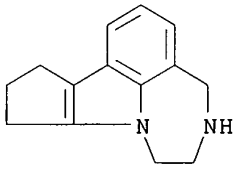
II

AB Cyclopenta[b][1,4]diazepino[6,7,1-hi]indoles [I; R = H, alkyl, acyl, alkylcarbonyl, aryl, heteroaryl, arylcarbonyl, heteroarylcarbonyl; R1, R2 = H, alkyl, fluoroalkyl, cycloalkyl, alkoxy, CH2OH, amino, aryl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, alkylsulfonylamino, alkylaminosulfonyl, etc.; R4, R5 = H, halo, cyano, alkyl, fluoroalkyl, alkoxy, fluoroalkoxy, aryl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, amino, etc.; R6, R7 = H, alkyl, cycloalkyl, cycloalkylmethyl; XY = CHCH,

C:C] are prepd. as selective 5-HT2c agonists for use in the treatment of schizophrenia, obsessive-compulsive disorder, depression, anxiety, panic disorder, generalized anxiety disorder, obesity and epilepsy. Cyclopenta[b]indoles are claimed as intermediates in the prepn. of I. E.g., 2,3,4,5-tetrahydro-1H-benzodiazepine is acetylated with Ac2O to give 4-acetyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepine; addn. of NaNO2 and HCl, redn. of the nitrosamine with Zn in situ, addn. of cyclopentanone, and hydrolysis of the acetyl group gives hexahydrocyclopenta[b][1,4]diazepino[6.7,1-hi]indole II. Biol. data on the binding of selected I to 5-HT2c receptors is given.

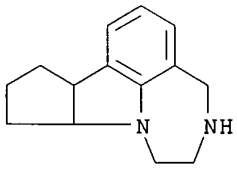
IT **420802-62-6P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of cyclopentadiazepinoindoles as selective 5-HT2c receptor agonists for treatment of schizophrenia and anxiety and depression and obesity)

RN 420802-62-6 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,9,10-hexahydro- (9CI) (CA INDEX NAME)



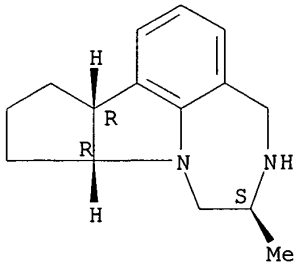
IT **420802-63-7P 422311-95-3P 422311-96-4P**
422311-97-5P 422311-98-6P 422311-99-7P
425414-33-1P 425414-34-2P 428868-30-8P
428868-31-9P 428868-32-0P 432049-99-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of cyclopentadiazepinoindoles as selective 5-HT2c receptor agonists for treatment of schizophrenia and anxiety and depression and obesity)

RN 420802-63-7 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro- (9CI) (CA INDEX NAME)



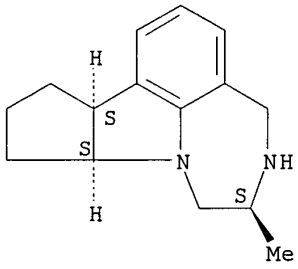
RN 422311-95-3 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2S,7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



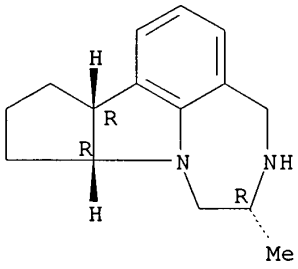
RN 422311-96-4 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2S,7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 422311-97-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2R,7bR,10aR)- (9CI) (CA INDEX NAME)

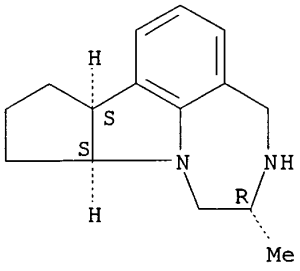
Absolute stereochemistry. Rotation (-).



RN 422311-98-6 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2R,7bS,10aS)- (9CI) (CA INDEX NAME)

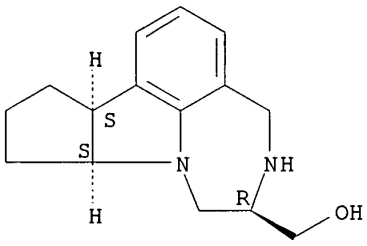
Absolute stereochemistry.

[redacted]



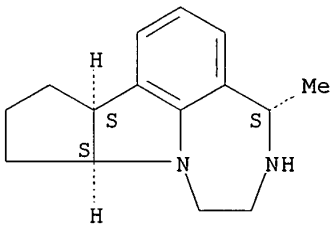
RN 422311-99-7 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-2-methanol, 1,2,3,4,7b,9,10,10a-octahydro-, (2R,7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



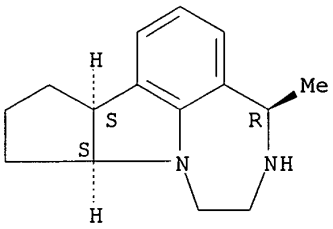
RN 425414-33-1 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-4-methyl-, (4R,7bR,10aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

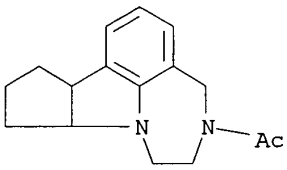


RN 425414-34-2 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-4-methyl-, (4R,7bS,10aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

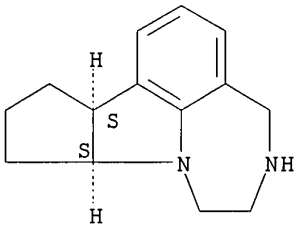


RN 428868-30-8 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro- (9CI) (CA INDEX NAME)



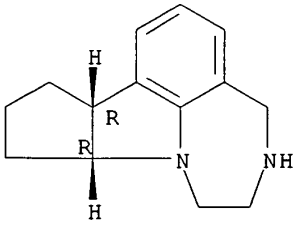
RN 428868-31-9 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro-, (7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

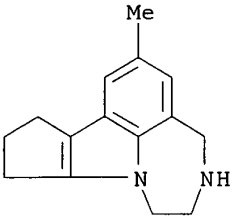


RN 428868-32-0 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro-, (7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

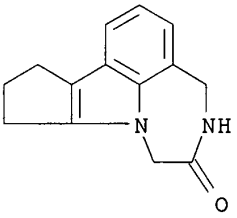


RN 432049-99-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,9,10-hexahydro-6-methyl- (9CI) (CA INDEX NAME)

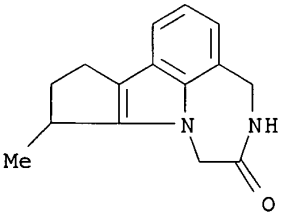


IT **420802-61-5P 420802-85-3P 420802-86-4P**
420802-87-5P 422312-09-2P 422312-10-5P
428868-33-1P 428868-34-2P 428868-35-3P
428868-39-7P 428868-42-2P 432050-03-8P
432050-04-9P 432050-07-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of cyclopentadiazepinoindoles as selective 5-HT2c receptor agonists for treatment of schizophrenia and anxiety and depression and obesity)

RN 420802-61-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one, 3,4,9,10-tetrahydro- (9CI) (CA INDEX NAME)

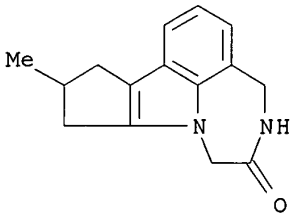


RN 420802-85-3 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one, 3,4,9,10-tetrahydro-10-methyl- (9CI) (CA INDEX NAME)

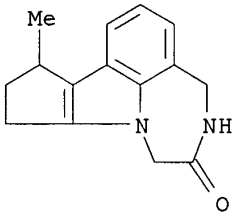


RN 420802-86-4 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one,

3,4,9,10-tetrahydro-9-methyl- (9CI) (CA INDEX NAME)

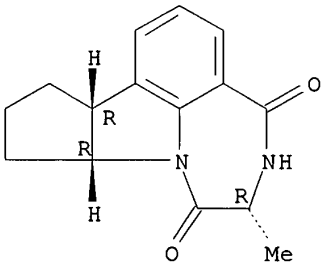


RN 420802-87-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one,
3,4,9,10-tetrahydro-8-methyl- (9CI) (CA INDEX NAME)



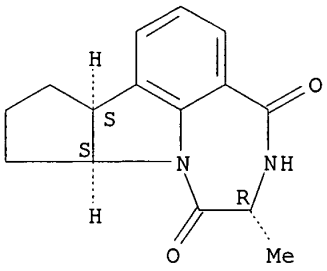
RN 422312-09-2 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione,
2,3,7b,9,10,10a-hexahydro-2-methyl-, (2R,7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



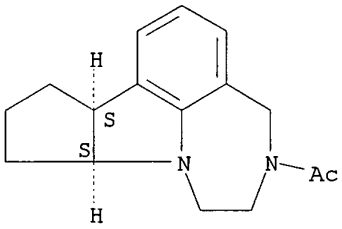
RN 422312-10-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione,
2,3,7b,9,10,10a-hexahydro-2-methyl-, (2R,7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



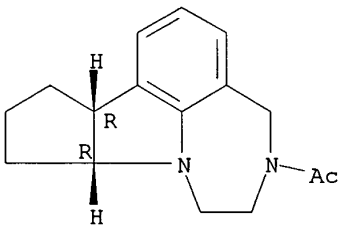
RN 428868-33-1 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro-, (7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



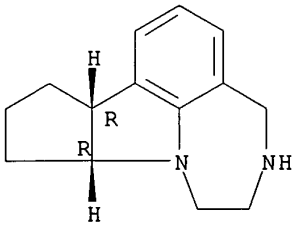
RN 428868-34-2 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro-, (7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



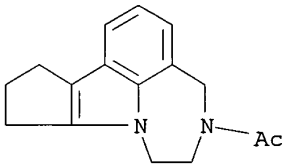
RN 428868-35-3 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-, monohydrochloride, (7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 428868-39-7 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,9,10-hexahydro- (9CI) (CA INDEX NAME)

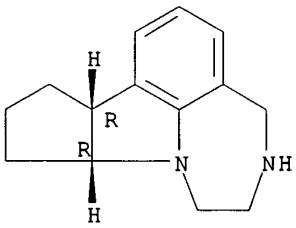


RN 428868-42-2 CAPLUS
CN Butanedioic acid, 2,3-bis(benzoyloxy)-, (2R,3R)-, compd. with (7bR,10aR)-1,2,3,4,7a,9,10,10a-octahydro-8H-cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 428868-32-0
CMF C14 H18 N2

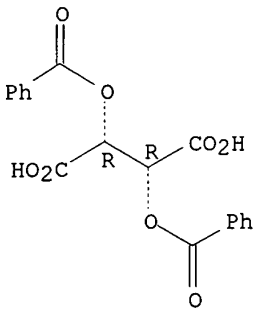
Absolute stereochemistry.



CM 2

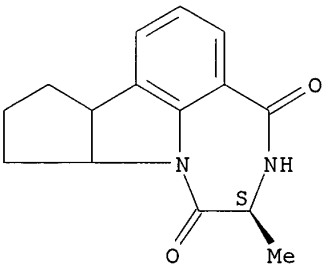
CRN 2743-38-6
CMF C18 H14 O8
CDES 1:R2:R*,R*

Absolute stereochemistry.



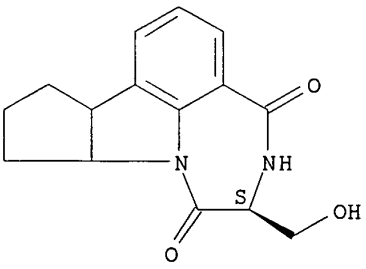
RN 432050-03-8 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

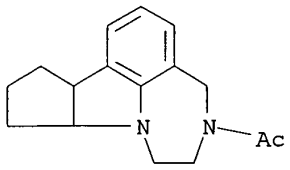


RN 432050-04-9 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-(hydroxymethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 432050-07-2 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)

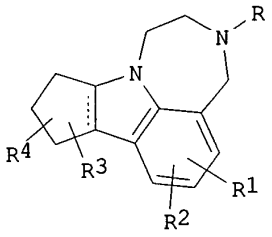


● HCl

L8 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2002:392263 CAPLUS
DN 136:401790
TI Processes for preparation of cyclopenta[b][1,4]diazepino[6,7,1-hi]indoles
IN Sabb, Annmarie L.; Vogel, Robert L.; Antane, Madelene M.; Raveendranath, Panolil; Megati, Sreenivasulu; Smith, Michael D.; Nelson, James A.
PA American Home Products Corporation, USA
SO U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002062022	A1	20020523	US 2001-16420	20011102
PRAI US 2000-245954P	P	20001103		

OS CASREACT 136:401790; MARPAT 136:401790
GI

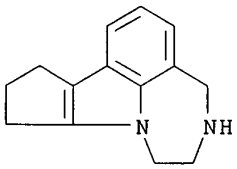


I

AB The title compds. [I; R = H, alkyl; R1, R2 = H, alkyl, alkoxy, halo, etc.; R3, R4 = H, alkyl, cycloalkyl; the dashed line indicates an optional double bond] and their pharmaceutically acceptable salts, which are serotonin 5-HT2C receptor agonists (no biol. data), were prepd. E.g., a multi-step synthesis of 1,2,3,4,9,10-hexahydro-8H-cyclopenta[b][4,1]diazepino[6,7,1-hi]indole, was given.

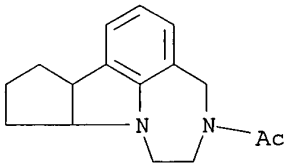
IT **420802-62-6P 428868-30-8P 428868-33-1P 428868-34-2P 428868-39-7P 428868-41-1P 428868-42-2P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(processes for prepn. of cyclopenta[b][1,4]diazepino[6,7,1-hi]indoles)

RN 420802-62-6 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,9,10-hexahydro- (9CI) (CA INDEX NAME)



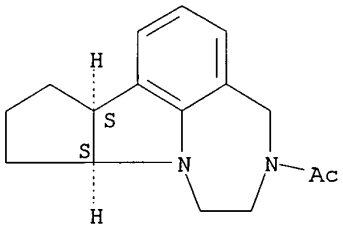
RN 428868-30-8 CAPLUS

CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro- (9CI) (CA INDEX NAME)



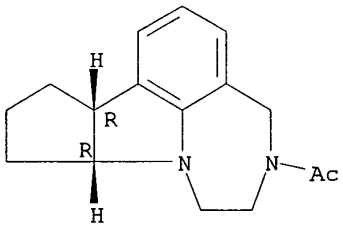
RN 428868-33-1 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro-, (7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

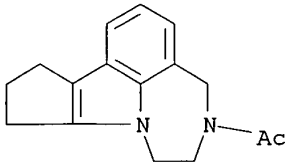


RN 428868-34-2 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro-, (7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

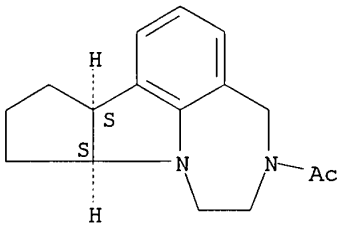


RN 428868-39-7 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,9,10-hexahydro- (9CI) (CA INDEX NAME)



RN 428868-41-1 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,7b,9,10,10a-octahydro-, monohydrochloride, (7bS,10aS)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



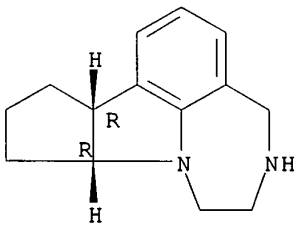
● HCl

RN 428868-42-2 CAPLUS
CN Butanedioic acid, 2,3-bis(benzoyloxy)-, (2R,3R)-, compd. with (7bR,10aR)-1,2,3,4,7a,9,10,10a-octahydro-8H-cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 428868-32-0
CMF C14 H18 N2

Absolute stereochemistry.

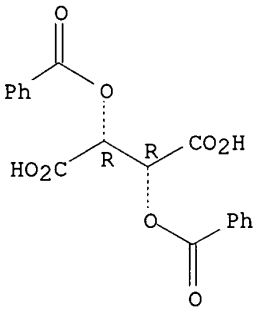


CM 2

CRN 2743-38-6

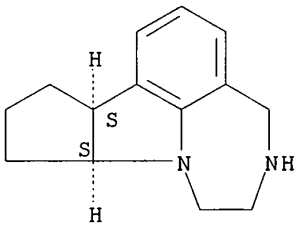
CMF C18 H14 O8
CDES 1:R2:R*,R*

Absolute stereochemistry.



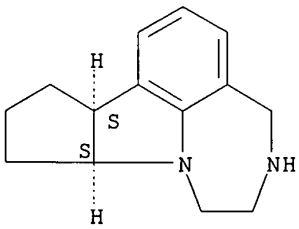
IT **428868-29-5P 428868-31-9P 428868-32-0P**
428868-35-3P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(processes for prepn. of cyclopenta[b][1,4]diazepino[6,7,1-hi]indoles)
RN 428868-29-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro-, (7bR,10aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



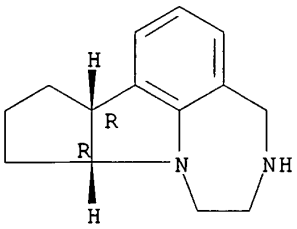
RN 428868-31-9 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro-, (7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



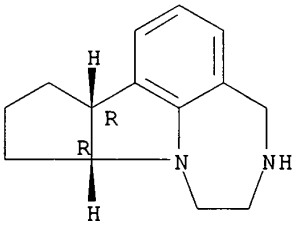
RN 428868-32-0 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro-, (7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 428868-35-3 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-, monohydrochloride, (7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

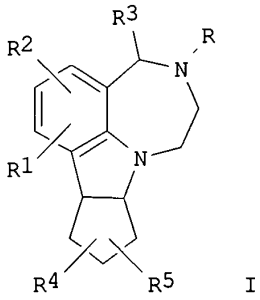


● HCl

L8 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2002:368996 CAPLUS
DN 136:369746
TI Preparation of 1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta[b][1,4]diazepino[6,7,1-hi]indoles
IN Welmaker, Gregory S.; Sabalski, Joan E.; Smith, Michael D.
PA American Home Products Corporation, USA
SO U.S. Pat. Appl. Publ., 13 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002058689	A1	20020516	US 2001-16418	20011102
PRAI US 2000-245843P	P	20001103		

OS MARPAT 136:369746
GI



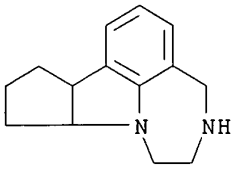
I

AB Title compds. I [wherein R = H, alkyl, acyl, aryl, aroyl, or -C(O)R'; R' = alkyl or aryl, preferably Ph; R1, R2, R4 and R5 = independently H, OH, (cyclo)alkyl, alkoxy, halo, fluorinated alkyl or alkoxy, CN, alkylsulfonylamino, alkylsulfonamido, alkylamido, (di)alkyl(amino), acyl, aryl, or aroyl; R3 = H, (cyclo)alkyl, alkoxy, fluorinated alkyl, alkylsulfonylamino, alkylsulfonamido, alkylamido, (di)alkyl(amino), fluorinated alkoxy, acyl, aryl, or aroyl; or a pharmaceutically acceptable salt thereof] were prepd. from 2-(2,3,3a,8b-tetrahydro-1H-cyclopenta[b]indol-4-yl)ethylamines. For example, Ph hydrazine was treated with cyclopentanone under std. Fischer-indole conditions to give 1,2,3,4-tetrahydrocyclopenta[b]indole (80%). Hydrogenation using Pd/C in concd. HCl (69%), followed by N-alkylation with 2-chloroacetamide (69%), and redn. using BH3.bul.THF, afforded 2-(2,3,3a,8b-tetrahydrocyclopenta[b]indol-4(1H)-yl)ethylamine. Cycloaddn. of the ethylamine with formaldehyde in EtOH and TFA gave the diazabenzo[cd]cyclopenta[a]azulene I (R-R5 = H). I are 5-hydroxytryptamine 2C (5HT2C) receptor agonists useful for the prevention and treatment of central nervous system disorders (no data).

IT **420802-63-7P 425414-33-1P 425414-34-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of octahydrocyclopenta[b][1,4]diazepino[6,7,1-hi]indoles from (tetrahydrocyclopentaindolyl)ethylamines as central nervous system agents)

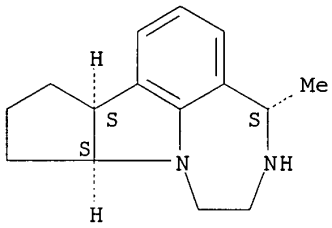
RN 420802-63-7 CAPLUS

CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro- (9CI) (CA INDEX NAME)



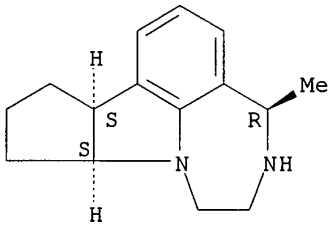
RN 425414-33-1 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-4-methyl-, (4R,7bR,10aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 425414-34-2 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-4-methyl-, (4R,7bS,10aS)-rel- (9CI) (CA INDEX NAME)

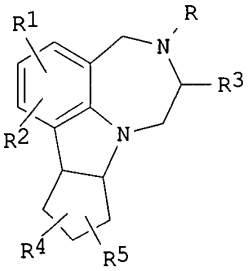
Relative stereochemistry.



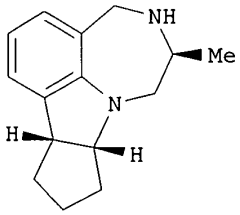
L8 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2002:354096 CAPLUS
DN 136:355364
TI Preparation of cyclopenta[b][1,4]diazepino[6,7,1-hi]indole derivatives for the treatment of central nervous system disorders
IN Welmaker, Gregory S.; Sabalski, Joan E.
PA American Home Products Corporation, USA
SO U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002055630	A1	20020509	US 2001-16435	20011102
	US 6414144	B2	20020702		
PRAI	US 2000-245915P	P	20001103		

OS CASREACT 136:355364; MARPAT 136:355364
GI



I



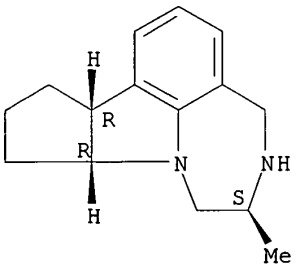
II

AB Cyclopenta[b][1,4]diazepino[6,7,1-hi]indole derivs. of formula I [R = H, alkyl, acyl, or aroyl; R1, R2, R4, R5 = H, OH, alkyl, cycloalkyl, alkoxy, halo, fluorinated alkyl, CN, NHSO2-alkyl, amino, aryl, aroyl, etc.; R3 = H, alkyl, cycloalkyl, alkoxy, etc.] are prepd. The compds. are useful in the treatment of central nervous system disorders (no data). Thus, II was prepd. in 6 steps from 2-hydrazinobenzoic acid hydrochloride, cyclopentanone and L-alanine Et ester.

IT **422311-95-3P 422311-96-4P 422311-97-5P**
422311-98-6P 422311-99-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of cyclopenta[b][1,4]diazepino[6,7,1-hi]indole derivs. for the treatment of central nervous system disorders)

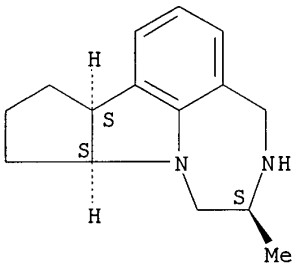
RN 422311-95-3 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2S,7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



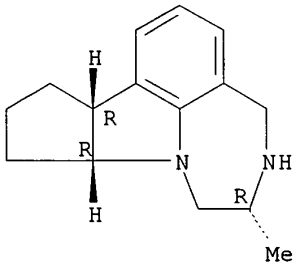
RN 422311-96-4 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2S,7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 422311-97-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2R,7bR,10aR)- (9CI) (CA INDEX NAME)

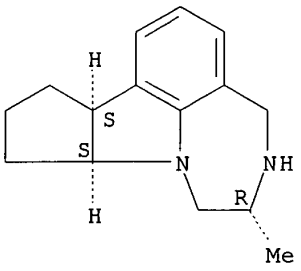
Absolute stereochemistry. Rotation (-).



RN 422311-98-6 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,10a-octahydro-2-methyl-, (2R,7bS,10aS)- (9CI) (CA INDEX NAME)

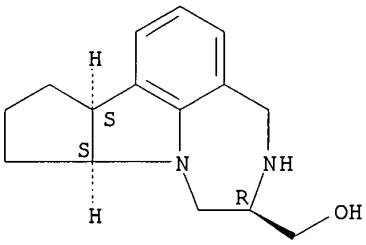
Absolute stereochemistry.

[redacted]



RN 422311-99-7 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-2-methanol, 1,2,3,4,7b,9,10,10a-octahydro-, (2R,7bS,10aS)- (9CI) (CA INDEX NAME)

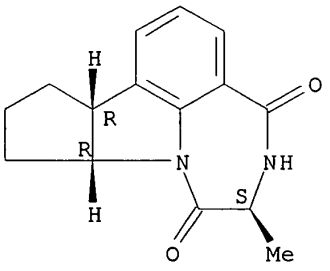
Absolute stereochemistry.



IT **422312-04-7P 422312-05-8P 422312-09-2P**
422312-10-5P 422312-15-0P 422312-16-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of cyclopenta[b][1,4]diazepino[6,7,1-hi]indole derivs. for the treatment of central nervous system disorders)

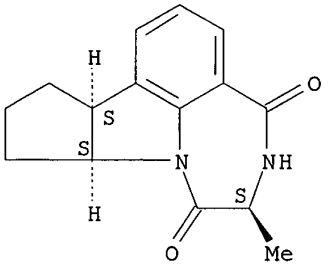
RN 422312-04-7 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-methyl-, (2S,7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



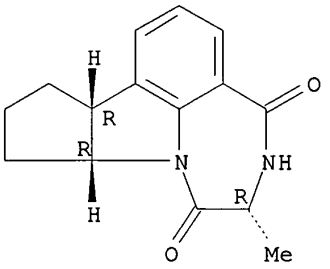
RN 422312-05-8 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-methyl-, (2S,7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



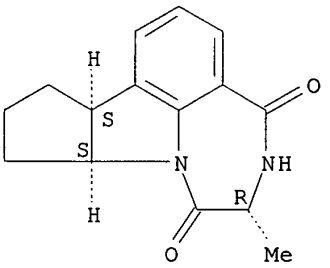
RN 422312-09-2 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-methyl-, (2R,7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



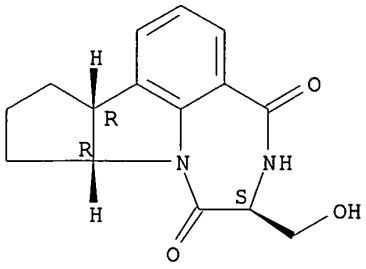
RN 422312-10-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-methyl-, (2R,7bS,10aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



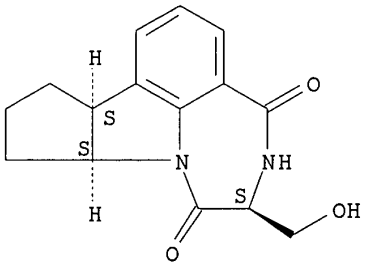
RN 422312-15-0 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-(hydroxymethyl)-, (2S,7bR,10aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 422312-16-1 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine-1,4-dione, 2,3,7b,9,10,10a-hexahydro-2-(hydroxymethyl)-, (2S,7bS,10aS)- (9CI) (CA INDEX NAME)

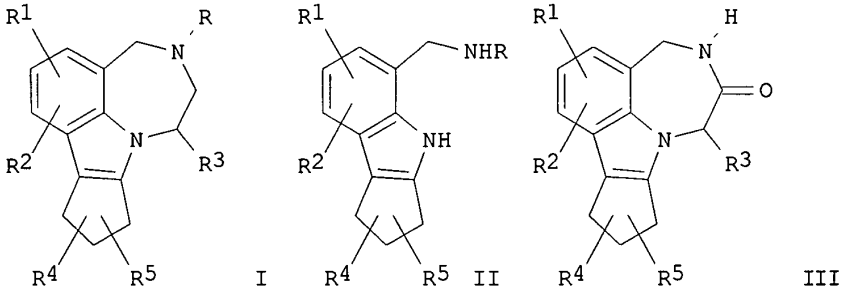
Absolute stereochemistry.



L8 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2002:354075 CAPLUS
DN 136:355253
TI Process for the preparation of 1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole derivatives
IN Chan, Anita W-y.
PA USA
SO U.S. Pat. Appl. Publ., 16 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002055504	A1	20020509	US 2001-16229	20011102
PRAI US 2000-245591P	P	20001103		

OS CASREACT 136:355253; MARPAT 136:355253
GI

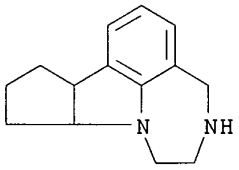


AB This invention provides a process for the prepn. of 1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole derivs. of the general formula (I) (wherein R = H, alkyl, cycloalkyl, CH2-cycloalkyl, acyl, aryl or aroyl; R1, R2, R4, R5 = H, hydroxy, alkyl, cycloalkyl, alkoxy, halogen, fluorinated alkyl, cyano, NHSO2-alkyl, SO2NH-alkyl, alkyl amide, amino, alkylamino, dialkylmino, fluorinated alkoxy, acyl, aryl or aroyl; R3 = H, alkyl, cycloalkyl, alkoxy, fluorinated alkyl, alkyl sulfonamide, alkyl amide, amino, alkylamino, dialkylmino, fluorinated alkoxy, acyl, aryl or aroyl) or a pharmaceutically acceptable salt thereof, as well as intermediates for their synthesis. A process for prepn. of I comprises acylation of cyclopentaindolemethylamine derivs. (II; R = H; R1, R2, R4, R5 = same as above) with LCOCH(R3)L (R3 = same as above; L = a leaving group), cyclization of the resulting II [R = COCH(R3)L; L, R1, R2, R4, R5 = same as above] to diazabenzo[cd]cyclopenta[a]azulen-6-one derivs. (III; R1-R5 = same as above), and redn. of III to II (R = H; R1-R5 = same as above), followed by optional N-alkylation. These compds. are useful as serotonin 5-hydroxytryptamine 2C (5HT2C) receptor agonists for the treatment of central nervous system disorders, including obsessive-compulsive disorder, depression, anxiety, generalized anxiety disorder, schizophrenia, panic disorder, migraine, sleep disorders such as sleep apnea, eating disorders such as hyperphagia, obesity, epilepsy, and spinal cord injury (no data). Thus, a soln. of 1,2,3,4-tetrahydrocyclopenta[b]indol-5-ylmethylamine (100 mg) and pyridine (0.1 mL) in CH2Cl2 (2 mL) was cooled to 0-5.degree. in an

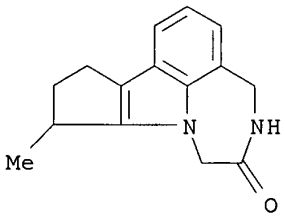
ice-bath, treated with chloroacetyl chloride (62 .mu.L), stirred in the ice-bath for 1 h, warmed to room temp., and stirred for 12 h to give 57% 2-chloro-N-[1,2,3,4-tetrahydrocyclopenta[b]indol-5-ylmethyl]acetamide (IV). A soln. of IV (135 mg) in DMF (3 mL) was added to a suspension of NaH (124 mg) in DMF (3 mL) and allowed to react for 16 h to give 58% 3,4,9,10-tetrahydro-8H-cyclopenta[b][1,4]diazepino[6,7,1-hi]indol-2(1H)-one (V). To a suspension of 67 mg V in 7 mL Et2O was added slowly 28 mg LiAlH4 at room temp. and allowed to react for 16 h to give 70% 3,4,9,10-tetrahydro-8H-cyclopenta[b][4]diazepino[6,7,1-hi]indole, i.e. I (R-R5 = H), which (61 mg) was dissolved in CF3CO2H (2 mL), cooled in an ice-bath, treated slowly with BH3.THF (0.7 mL), and allowed to react for 4 h to give 1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta[b][4,1]diazepino[6,7,1-hi]Indole.

IT **420802-63-7P 420802-85-3P 420802-86-4P 420802-87-5P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of octahydrocyclo[b][1,4]diazepino[hi]indoles via N-acylation of tetrahydrocyclopentaindolylmethylamines and cyclization of (acylaminomethyl)tetrahydrocyclopentaindoles to tetrahydrocyclopenta[b][1,4]diazepino[6,7,1-hi]indolones)

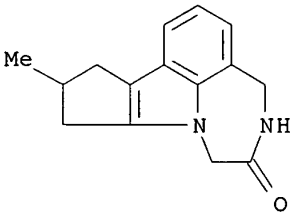
RN 420802-63-7 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7a,9,10,10a-octahydro- (9CI) (CA INDEX NAME)



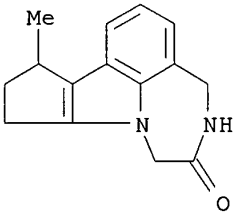
RN 420802-85-3 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one, 3,4,9,10-tetrahydro-10-methyl- (9CI) (CA INDEX NAME)



RN 420802-86-4 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one, 3,4,9,10-tetrahydro-9-methyl- (9CI) (CA INDEX NAME)

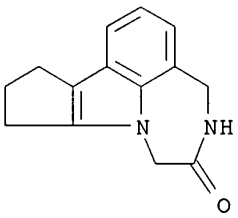


RN 420802-87-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one, 3,4,9,10-tetrahydro-8-methyl- (9CI) (CA INDEX NAME)

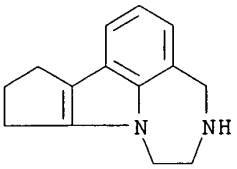


IT **420802-61-5P 420802-62-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of octahydrocyclo[b][1,4]diazepino[hi]indoles via N-acylation of tetrahydrocyclopentaindolylmethylamines and cyclization of (acylaminomethyl)tetrahydrocyclopentaindoles to tetrahydrocyclopenta[b][1,4]diazepino[6,7,1-hi]indolones)

RN 420802-61-5 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepin-2(1H)-one, 3,4,9,10-tetrahydro- (9CI) (CA INDEX NAME)



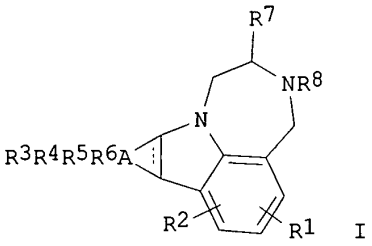
RN 420802-62-6 CAPLUS
CN 8H-Cyclopenta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,9,10-hexahydro- (9CI) (CA INDEX NAME)


N
NH

L8 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2002:353459 CAPLUS
DN 136:355252
TI Preparation of diazepinocarbazoles and related compounds as serotonin 5-HT2C agonists.
IN Sabb, Annmarie Louise; Vogel, Robert Lewis; Welmaker, Gregory Scott; Sabalski, Joan Eileen
PA Wyeth, John, and Brother Ltd., USA
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002036596	A2	20020510	WO 2001-US46084	20011101
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002086860	A1	20020704	US 2001-17738	20011102
PRAI US 2000-245598P	P	20001103		
US 2000-245599P	P	20001103		
US 2000-245602P	P	20001103		

OS MARPAT 136:355252
GI



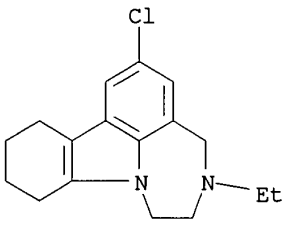
I

AB A method of treatment of obsessive-compulsive disorder, obesity, eating disorders, sleeping disorders, migraine, depression, generalized anxiety disorder, schizophrenia, panic disorder, migraine, epilepsy or anxiety in a mammal, the method comprises administration of title compds. (I; A = 6-8 membered cycloalkyl ring; R1, R2 = H, alkyl, cycloalkyl, cycloalkylmethyl, alkoxy, halo, fluoroalkyl, cyano, alkylaminosulfonyl, amino, fluoroalkoxy, aroyl, heteroaroyl etc.; R3-R6 = H, alkyl, cycloalkyl, cycloalkylmethyl, alkoxy, cycloalkoxy; R7, R8 = H, alkyl; dashed line = optional double bond). Thus, 4-acetyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepine (prepn. given) in aq. HCl was treated with NaNO2 under ice cooling to give an oil which in HOAc was treated with Zn. The resulting mixt. was filtered into a flask contg. cyclohexanone followed by heating for 1.5 h to give 3-acetyl-1,2,3,4,8,9,10,11-octahydro[1,4]diazepino[6,7,1-jk]carbazole.

The latter was refluxed 4 h with conc. HCl to give 1,2,3,4,8,9,10,11-octahydro[1,4]diazepino[6,7,1-jk]carbazole hydrochloride. This reduced food intake in rats with ED50 = 20.86 mg/kg i.p.

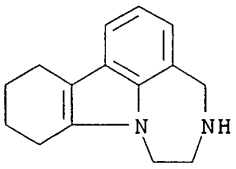
IT **57716-82-2P 57756-44-2P 57756-45-3P 57756-54-4P 59705-12-3P 422318-14-7P 422318-15-8P 422318-16-9P 422318-17-0P 422318-18-1P 422318-19-2P 422318-20-5P 422318-21-6P 422318-22-7P 422318-23-8P 422318-24-9P 422318-25-0P 422318-26-1P 422318-27-2P 422318-28-3P 422318-29-4P 422318-30-7P 422318-33-0P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of diazepinocarbazoles and related compds. as serotonin 5HT2C agonists)

RN 57716-82-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-3-ethyl-1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)



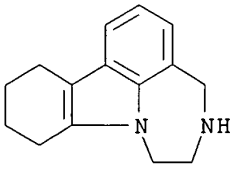
● HCl

RN 57756-44-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)

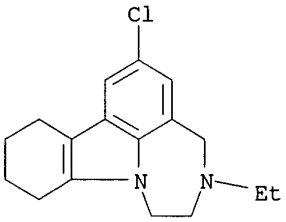


● HCl

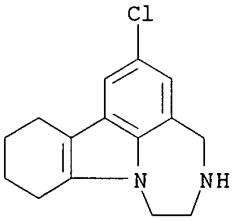
RN 57756-45-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



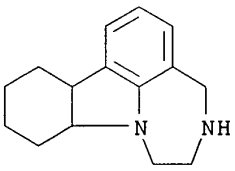
RN 57756-54-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-3-ethyl-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



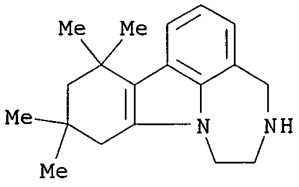
RN 59705-12-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



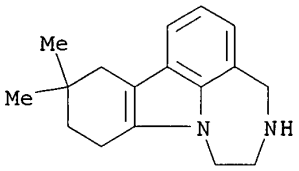
RN 422318-14-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,7b,8,9,10,11,11a-decahydro- (9CI) (CA INDEX NAME)



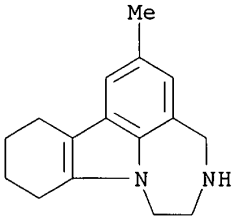
RN 422318-15-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-8,8,10,10-tetramethyl- (9CI) (CA INDEX NAME)



RN 422318-16-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-9,9-dimethyl- (9CI) (CA INDEX NAME)

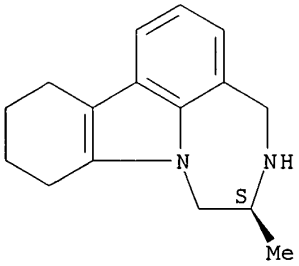


RN 422318-17-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-6-methyl- (9CI) (CA INDEX NAME)



RN 422318-18-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-2-methyl-, (2S)- (9CI) (CA INDEX NAME)

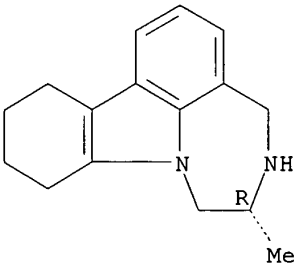
Absolute stereochemistry.



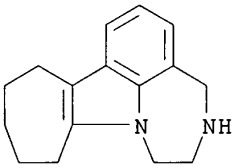
RN 422318-19-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-2-methyl-,

(2R)- (9CI) (CA INDEX NAME)

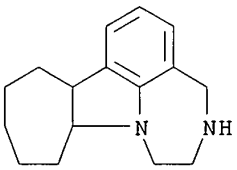
Absolute stereochemistry.



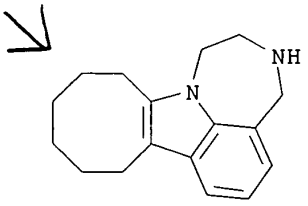
RN 422318-20-5 CAPLUS
CN 8H-Cyclohepta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,9,10,11,12-octahydro- (9CI) (CA INDEX NAME)



RN 422318-21-6 CAPLUS
CN 8H-Cyclohepta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,7b,9,10,11,12,12a-decahydro- (9CI) (CA INDEX NAME)

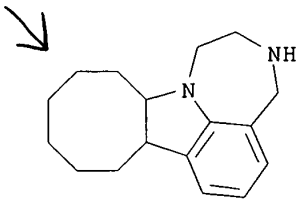


RN 422318-22-7 CAPLUS
CN Cycloocta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,8,9,10,11,12,13-decahydro- (9CI) (CA INDEX NAME)

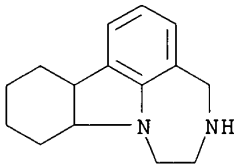


RN 422318-23-8 CAPLUS
CN Cycloocta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine,

1,2,3,4,7b,8,9,10,11,12,13,13a-dodecahydro- (9CI) (CA INDEX NAME)

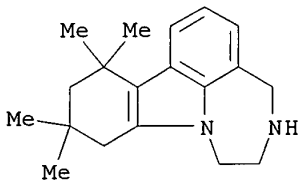


RN 422318-24-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,7b,8,9,10,11,11a-decahydro-, dihydrochloride (9CI) (CA INDEX NAME)



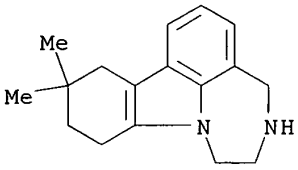
●2 HCl

RN 422318-25-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-8,8,10,10-tetramethyl-, monohydrochloride (9CI) (CA INDEX NAME)



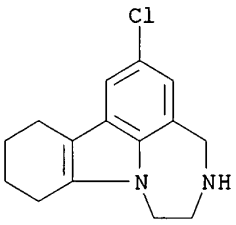
● HCl

RN 422318-26-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-9,9-dimethyl-, monohydrochloride (9CI) (CA INDEX NAME)



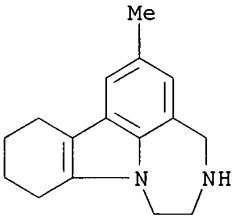
● HCl

RN 422318-27-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

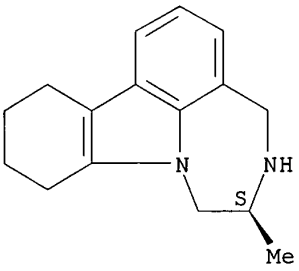
RN 422318-28-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-6-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 422318-29-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-2-methyl-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

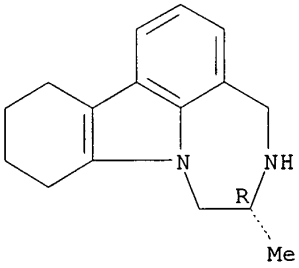
Absolute stereochemistry.



● HCl

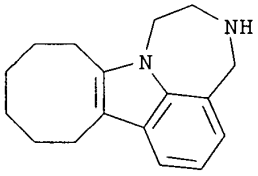
RN 422318-30-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-2-methyl-, monohydrochloride, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

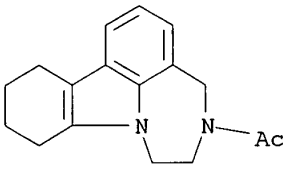
RN 422318-33-0 CAPLUS
CN Cycloocta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 1,2,3,4,8,9,10,11,12,13-decahydro-, monohydrochloride (9CI) (CA INDEX NAME)



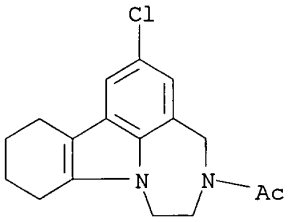
● HCl

IT **57756-41-9P 57756-42-0P 422318-34-1P**
422318-37-4P 422318-41-0P 422318-44-3P
422318-45-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of diazepinocarbazoles and related compds. as serotonin 5HT2C agonists)

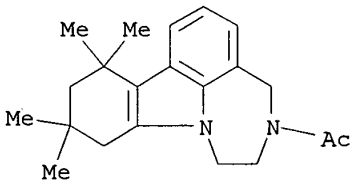
RN 57756-41-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



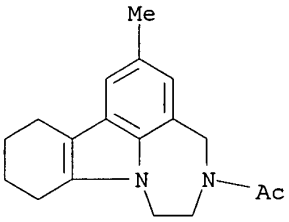
RN 57756-42-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-6-chloro-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



RN 422318-34-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4,8,9,10,11-octahydro-8,8,10,10-tetramethyl- (9CI) (CA INDEX NAME)

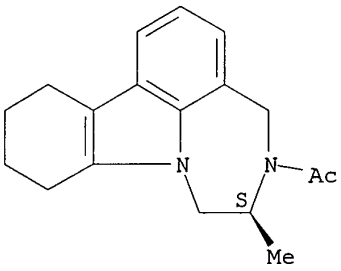


RN 422318-37-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4,8,9,10,11-octahydro-6-methyl- (9CI) (CA INDEX NAME)



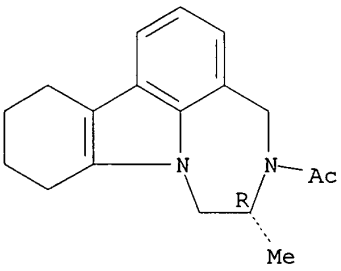
RN 422318-41-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4,8,9,10,11-octahydro-2-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

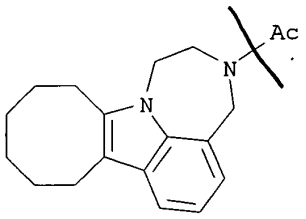


RN 422318-44-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4,8,9,10,11-octahydro-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 422318-45-4 CAPLUS
CN Cycloocta[4,5]pyrrolo[3,2,1-jk][1,4]benzodiazepine, 3-acetyl-1,2,3,4,8,9,10,11,12,13-decahydro- (9CI) (CA INDEX NAME)


Ac
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L8 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2001:453066 CAPLUS
DN 135:61239
TI Preparation of 11H,12H,14H-pyrrolo[3,4-c]quinolino[8',8a',1':3,2,1]-pyrrolo[2,3-a]carbazole-5,7-diones for the treatment of proliferative diseases
IN Al-Awar, Rima Salim; Hecker, Kyle Andrew; Huang, Jianping; Joseph, Sajan; Li, Tiechao; Paal, Michael; Rathnachalam, Radhakrishnan; Ray, James Edward; Shih, Chuan; Waid, Philip Parker; Zhou, Xun; Zhu, Guoxin
PA Eli Lilly and Company, USA
SO PCT Int. Appl., 261 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001044247	A2	20010621	WO 2000-US33273	20001218
WO 2001044247	A3	20020103		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRAI US 1999-171087P P 19991216
US 1999-171220P P 19991216
OS CASREACT 135:61239; MARPAT 135:61239
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; A, B = O, S; X, Y = H; or X and Y, taken together, form a bond; R1 = H, alkyl; R2 = halo, CN, alkyl, etc.; R3 = aryl, heteroaryl, etc.; R4 = H, alkyl, etc.; R5 = halo, CN, alkyl, etc.; R6 = alkyl; R7 = alkoxycarbonyl, (CH2)mZ (m = 0-5; Z = halo, OH, etc.); Q1 = O, SOn (n = 0-2), (CH2)1-3; Q2 = carbon-carbon single or double bond, etc.; Q3 = (CH2)1-3], useful for inhibiting CDK4, were prepd. and formulated. E.g., a multi-step synthesis of II which showed activity (0.1055 .mu.M) in assay of cyclin D1-CDK4 kinase with the ING peptide as substrate, and also was found to inhibit cell growth and Rb (retinoblastoma protein) phosphorylation, was given.
IT **345261-34-9P 345262-55-7P 345262-56-8P**
345262-59-1P 345262-63-7P 345262-82-0P
345262-85-3P 345262-98-8P 345263-00-5P
345263-02-7P 345263-06-1P 345263-22-1P
345263-25-4P 345263-28-7P 345263-32-3P
345263-34-5P 345263-38-9P 345263-44-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of 11H,12H,14H-pyrrolo[3,4-c]quinolino[8',8a',1':3,2,1]-pyrrolo[2,3-a]carbazole-5,7-diones for the treatment of proliferative diseases)

RN 345261-34-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-2-propanoic acid, 3-[(1,1-dimethylethoxy)carbonyl]-1,2,3,4,8,9,10,15-octahydro-8,10-dioxo-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345262-55-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 2-[(1,1-dimethylethoxy)methyl]-1,2,8,9,10,15-hexahydro-8,10-dioxo-, 1,1-dimethylethyl ester, (2R)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345262-56-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 2-[(1,1-dimethylethoxy)methyl]-1,2,3,4-tetrahydro-, monohydrochloride, (2R)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345262-59-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-2-methyl-8,10-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345262-63-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-2-[(4-hydroxyphenyl)methyl]-8,10-dioxo-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345262-82-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-8,10-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345262-85-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 13-fluoro-1,2,8,9,10,15-hexahydro-8,10-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345262-98-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 2-[4-[[(1,1-dimethylethoxy)carbonyl]methylamino]butyl]-1,2,8,9,10,15-hexahydro-8,10-dioxo-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-00-5 CAPLUS
CN Carbamic acid, [(1S)-2-(1,2,8,9,10,15-hexahydro-2-methyl-8,10-dioxo[1,4]diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazol-3(4H)-yl)-1-methyl-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345263-02-7 CAPLUS
CN Carbamic acid, [(1S)-2-(1,2,8,9,10,15-hexahydro-2-methyl-8,10-dioxo[1,4]diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazol-3(4H)-yl)-2-oxo-1-(3-pyridinylmethyl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-06-1 CAPLUS
CN Carbamic acid, [(1S)-2-(1,2,8,9,10,15-hexahydro-8,10-dioxo[1,4]diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazol-3(4H)-yl)-2-oxo-1-(3-pyridinylmethyl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-22-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-15-methyl-8,10-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-25-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-8,10-dioxo-12-phenoxy-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-28-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 12,13-difluoro-1,2,8,9,10,15-hexahydro-8,10-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-32-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-8,10-dioxo-13-(trifluoromethyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-34-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 12-fluoro-1,2,8,9,10,15-hexahydro-8,10-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-38-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-8,10-dioxo-14-[2-[[tris(1-methylethyl)silyl]oxy]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-44-7 CAPLUS
CN Carbamic acid, [2-(1,2,8,9,10,15-hexahydro-8,10-dioxo[1,4]diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazol-3(4H)-yl)-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT **345262-57-9P 345262-60-4P 345262-64-8P**

345262-83-1P 345262-86-4P 345262-99-9P
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345263-23-2P 345263-26-5P 345263-29-8P
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345263-43-6P 345263-45-8P 345263-91-4P
345263-93-6P 345263-96-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 11H,12H,14H-pyrrolo[3,4-c]quinolino[8',8a',1':3,2,1]-pyrrolo[2,3-a]carbazole-5,7-diones for the treatment of proliferative diseases)

RN 345262-57-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-2-(hydroxymethyl)-, monohydrochloride, (2R)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345262-60-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-2-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345262-64-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-2-[(4-hydroxyphenyl)methyl]-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345262-83-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345262-86-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 13-fluoro-1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345262-99-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-2-[4-(methylamino)butyl]-, dihydrochloride, (2S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345263-01-6 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 3-[(2S)-2-amino-1-oxopropyl]-1,2,3,4-tetrahydro-2-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345263-03-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-

dione, 3-[(2S)-2-amino-1-oxo-3-(3-pyridinyl)propyl]-1,2,3,4-tetrahydro-2-methyl-, dihydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-05-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 3-[(2S)-2,6-diamino-1-oxohexyl]-1,2,3,4-tetrahydro-2-methyl-, dihydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-07-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 3-[(2S)-2-amino-1-oxo-3-(3-pyridinyl)propyl]-1,2,3,4-tetrahydro-, dihydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-08-3 CAPLUS
CN 11H,13H,15H-Indolo[2,3-a]oxazolo[4',3':3,4][1,4]diazepino[6,7,1-jk]pyrrolo[3,4-c]carbazole-5,7,13(6H,18H)-trione, 15a,16-dihydro-, (15aR)-(9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-09-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-3-(methylsulfonyl)-2-[[(methylsulfonyl)oxy]methyl]-, (2R)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-10-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-2-(hydroxymethyl)-3-(4-pyridinylcarbonyl)-, (2R)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-11-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-2-propanoic acid, 1,2,3,4,8,9,10,15-octahydro-8,10-dioxo-, methyl ester, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-12-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-2-propanoic acid, 1,2,3,4,8,9,10,15-octahydro-8,10-dioxo-, monohydrochloride, (2S)-(9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-23-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-15-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-26-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-12-phenoxy-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 345263-29-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 12,13-difluoro-1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-33-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-13-(trifluoromethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-35-6 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 12-fluoro-1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-39-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-14-(2-hydroxyethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-40-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-3-(methylsulfonyl)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-41-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-3-[(1-methyl-1H-imidazol-4-yl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-42-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-3-(1-methylethyl)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-43-6 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-3-(1-methylethyl)-, monomethanesulfonate (9CI) (CA INDEX NAME)

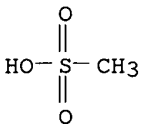
CM 1

CRN 345263-42-5
CMF C26 H22 N4 O2

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 75-75-2
CMF C H4 O3 S



RN 345263-45-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 3-(aminoacetyl)-1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-91-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-14-(3-hydroxypropyl)-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-93-6 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-13-(3-hydroxypropyl)-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345263-96-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-14-(hydroxymethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT **345265-34-1 345265-35-2 345265-36-3 345265-37-4 345265-38-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of 11H,12H,14H-pyrrolo[3,4-c]quinolino[8',8a',1':3,2,1]-pyrrolo[2,3-a]carbazole-5,7-diones for the treatment of proliferative diseases)
RN 345265-34-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-2-methyl- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345265-35-2 CAPLUS
CN Carbamic acid, [(1S)-1-[(1,2,8,9,10,15-hexahydro-2-methyl-8,10-dioxo[1,4]diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazol-3(4H)-yl)carbonyl]-1,5-pentanediyl]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345265-36-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345265-37-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-3(4H)-carboxylic acid, 1,2,8,9,10,15-hexahydro-2-(hydroxymethyl)-8,10-dioxo-, 1,1-dimethylethyl ester, (2R)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 345265-38-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H,15H)-dione, 1,2,3,4-tetrahydro-2-(hydroxymethyl)-, (2R)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L8 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 2001:453056 CAPLUS
DN 135:61238
TI Preparation of maleimide and carbazole derivatives for the treatment of proliferative diseases
IN Al-Awar, Rima Salim; Hecker, Kyle Andrew; Huang, Jianping; Joseph, Sajan; Ray, James Edward; Waid, Philip Parker
PA Eli Lilly and Company, USA
SO PCT Int. Appl., 110 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

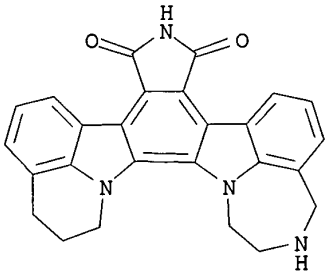
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001044235	A2	20010621	WO 2000-US33274	20001218
WO 2001044235	A3	20020117		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 1999-171219P P 19991216
US 1999-171269P P 19991216
OS MARPAT 135:61238
GI

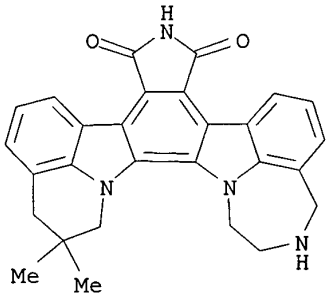
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; A, B = O, S; X, Y = H; or X and Y, taken together, form a bond; R1 = H, alkyl; R5, R51 = halo, CN, alkyl, etc.; R6, R61 = alkyl; R7, R71 = alkoxycarbonyl, (CH2)mZ; Z = halo, OH, CO2H, etc.; Q1, Q6 = O, SOn, (CH2)1-3; Q2, Q5 = carbon-carbon single or double bond, NH, etc.; Q3, Q4 = (CH2)1-3; m = 0-5; n = 0-2], useful for inhibiting CDK4, were prepd. and formulated. E.g., a multi-step synthesis of II.HCl which showed activity (0.6051 .mu.M) in assay of cyclin D1-cdk4 kinase with the ING peptide as substrate, was given. Some of compds. I were found to inhibit cell growth and to inhibit Rb (retinoblastoma protein) phosphorylation.
IT **345333-99-5P 345334-05-6P 345334-17-0P 345334-29-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of maleimide and carbazole derivs. for the treatment of proliferative diseases)
RN 345333-99-5 CAPLUS
CN 8H,14H-[1,4]Diazepino[6,7,1-jk]pyrido[1',2',3':1,7]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H)-dione, 1,2,3,4,15,16-hexahydro-, monohydrochloride (9CI) (CA INDEX NAME)



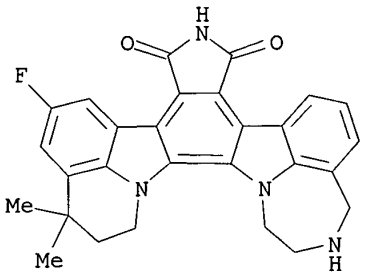
● HCl

RN 345334-05-6 CAPLUS
CN 8H,14H-[1,4]Diazepino[6,7,1-jk]pyrido[1',2',3':1,7]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H)-dione, 1,2,3,4,15,16-hexahydro-15,15-dimethyl-, monohydrochloride (9CI) (CA INDEX NAME)



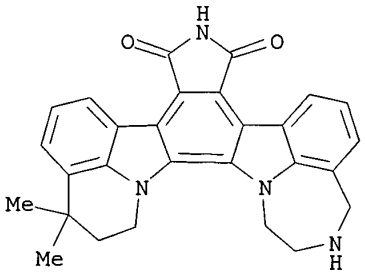
● HCl

RN 345334-17-0 CAPLUS
CN 8H,14H-[1,4]Diazepino[6,7,1-jk]pyrido[1',2',3':1,7]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H)-dione, 12-fluoro-1,2,3,4,15,16-hexahydro-14,14-dimethyl-, monohydrochloride (9CI) (CA INDEX NAME)



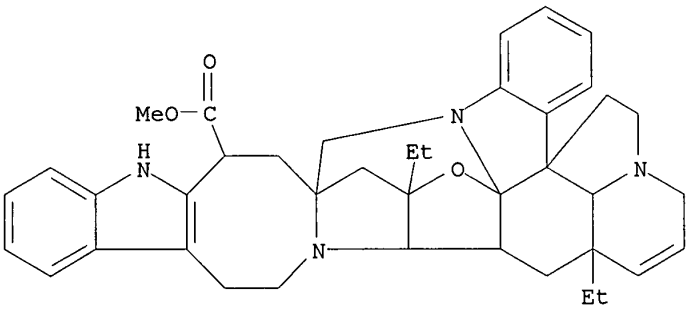
● HCl

RN 345334-29-4 CAPLUS
CN 8H,14H-[1,4]Diazepino[6,7,1-jk]pyrido[1',2',3':1,7]indolo[2,3-a]pyrrolo[3,4-c]carbazole-8,10(9H)-dione, 1,2,3,4,15,16-hexahydro-14,14-dimethyl-, monohydrochloride (9CI) (CA INDEX NAME)

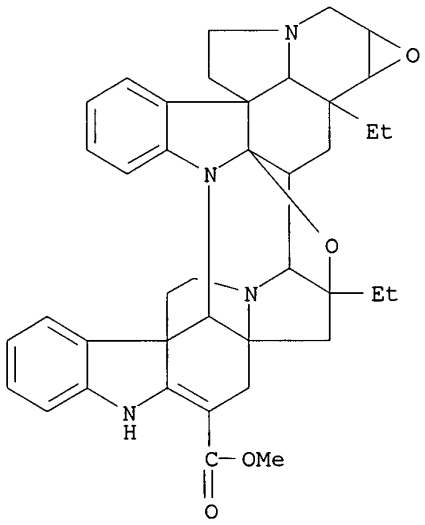


● HCl

L8 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1988:204858 CAPLUS
DN 108:204858
TI Carbon-13 NMR spectroscopy of indole derivatives
AU Morales-Rios, M. S.; Espineira, J.; Joseph-Nathan, P.
CS Cent. Invest. Estud. Avanzados, Inst. Politec. Nac., Mexico City, 07000, Mex.
SO Magn. Reson. Chem. (1987), 25(5), 377-95
CODEN: MRCHEG; ISSN: 0749-1581
DT Journal
LA English
AB The chem. shifts of 298 naturally occurring and synthetic compds. contg. the indole chromophoric group are listed. Substituent effects on 13C chem. shifts (SCS) induced by substitution on the heteroarom. five-membered ring are discussed. The data provide a ref. set for future 13C NMR investigations and highlight the need for unambiguous exptl. evidence to resolve controversial assignments for differently substituted representative indole derivs. Many original assignments have been changed, and values not considered to be unambiguously assigned are delineated. The 1J(CH) values for the parent indole were measured.
IT **84732-47-8**
RL: RCT (Reactant)
(carbon-13 NMR chem. shifts of)
RN 84732-47-8 CAPLUS
CN 3,7-Secoervafoline, 14',15'-deepoxy-2,7,14',15'-tetradehydro-2,16-dihydro-, (16.alpha.)- (9CI) (CA INDEX NAME)

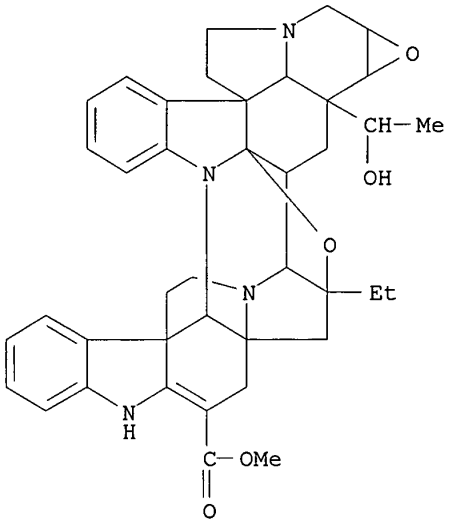


L8 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1984:526863 CAPLUS
DN 101:126863
TI Indole alkaloids from Stenosolen heterophyllus: tabernamine and isotabernamine
AU Kan, Christiane; Henriques, Amelia; Jasor, Yves; Moretti, Christian; Husson, Henri Philippe
CS Inst. Chim. Subst. Nat., CNRS, Gif-sur-Yvette, 91190, Fr.
SO J. Nat. Prod. (1984), 47(3), 478-81
CODEN: JNPRDF; ISSN: 0163-3864
DT Journal
LA French
AB Seventeen known indole alkaloids were isolated from S. heterophyllus (Apocynaceae). Spectral analyses and partial synthesis confirmed the previously proposed structure of tabernamine, a dimeric alkaloid of the voacamine type. Isotabernamine, an isomeric compd. at position C-10, was formed along with tabernamine in the condensation of vobasinol and ibogamine.
IT **70545-44-7 77784-39-5 77784-40-8 77794-87-7**
RL: BIOL (Biological study)
(from Stenosolen heterophyllus)
RN 70545-44-7 CAPLUS
CN 13a,20a,23-Metheno-8H,10H,23H-indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]oxireno[6,7]indolizino[8,1-cd]carbazole-19-carboxylic acid, 9b,21a-diethyl-5,6,8a,9a,9b,9c,10a,10b,12,13,18,20,21,21a-tetradecahydro-, methyl ester, (4bR,8aR,9aS,9bS,9cS,10aS,10bS,13aS,20aS,21aS,22aR,23S,24S)- (9CI) (CA INDEX NAME)



RN 77784-39-5 CAPLUS
CN 14a,21a,24-Metheno-8H,11H,24H-indolizino[8,1-cd]indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]carbazole-20-carboxylic acid, 10a,22a-diethyl-5,6,10a,10b,11a,11b,13,14,19,21,22,22a-dodecahydro-, methyl ester, (4bR,10aR,10bS,11aS,11bS,14aS,21aS,22aS,23aR,25S)- (9CI) (CA INDEX NAME)

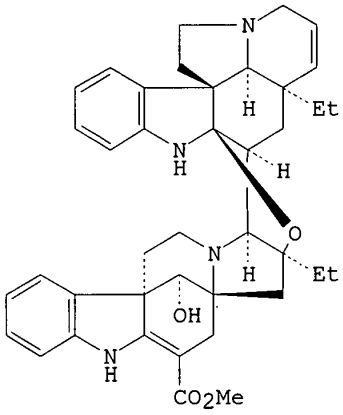
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 77784-40-8 CAPLUS
CN Ervafoline, 19'-hydroxy- (9CI) (CA INDEX NAME)



RN 77794-87-7 CAPLUS
CN Ervafoline, 14',15'-deepoxy-14',15'-didehydro-19'-hydroxy- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L8 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1983:104293 CAPLUS
DN 98:104293
TI Bisindole alkaloids of Pandaca caducifolia
AU Zeches, Monique; Lukacs, Gabor; Massiot, Georges; Le Men-Olivier, Louisette
CS Fac. Pharm., Reims, Fr.
SO J. Nat. Prod. (1982), 45(6), 707-13
CODEN: JNPRDF; ISSN: 0163-3864
DT Journal
LA English
GI



I

AB Two novel bisindole alkaloids were isolated from P. caducifolia, ervafolidene (I) and epi-ervafolidene. Their structures were established by spectral anal. (esp. 13C NMR) and by comparison with the known alkaloid ervafolene (II), also isolated from the plant. Several unusual reactions of II are described, among which is a rearrangement pertaining to the pandoline moiety of the mol.

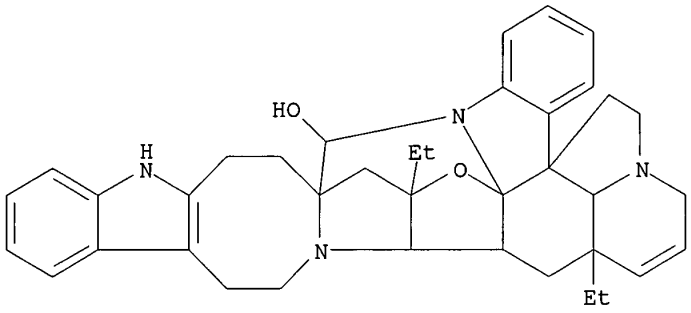
IT **77784-39-5**
RL: BIOL (Biological study)
(of Pandaca caducifolia, properties of)
RN 77784-39-5 CAPLUS
CN 14a,21a,24-Metheno-8H,11H,24H-indolizino[8,1-cd]indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]carbazole-20-carboxylic acid, 10a,22a-diethyl-5,6,10a,10b,11a,11b,13,14,19,21,22,22a-dodecahydro-, methyl ester, (4bR,10aR,10bS,11aS,11bS,14aS,21aS,22aS,23aR,25S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **84716-79-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 84716-79-0 CAPLUS
CN Ervafoline, 1-acetyl-14',15'-deepoxy-14',15'-didehydro-2,16-dihydro- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

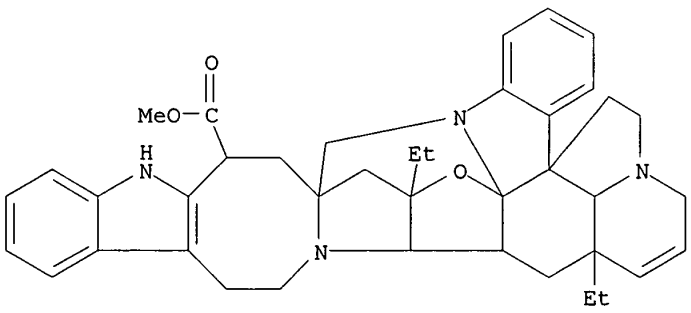
IT **84716-78-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, by ervafolene acid hydrolysis)
RN 84716-78-9 CAPLUS
CN 3,7-Secoervafoline, 14',15'-deepoxy-2,7,14',15'-tetradehydro-16-de(methoxycarbonyl)-2,16-dihydro- (9CI) (CA INDEX NAME)



IT **76881-05-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, by ervafolene catalytic hydrogenation)
RN 76881-05-5 CAPLUS
CN 14a,21a,24-Metheno-8H,11H,24H-indolizino[8,1-cd]indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]carbazole-20-carboxylic acid, 10a,22a-diethyl-5,6,9,10,10a,10b,11a,11b,13,14,19,21,22,22a-tetradecahydro-, methyl ester, [10aS-(4bS*,10a.alpha.,10b.alpha.,11a.alpha.,11b.beta.,14a.alpha.,21a.alpha.,22a.beta.,23aS*,24.alpha.,25R*)]- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

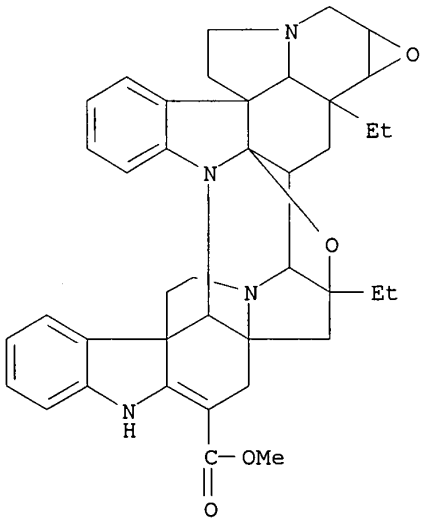
IT **84732-47-8P 84732-48-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, by ervafolene redn.)
RN 84732-47-8 CAPLUS
CN 3,7-Secoervafoline, 14',15'-deepoxy-2,7,14',15'-tetradehydro-2,16-dihydro-, (16.alpha.)- (9CI) (CA INDEX NAME)



RN 84732-48-9 CAPLUS
CN Ervafoline, 14',15'-deepoxy-14',15'-didehydro-2,16-dihydro- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

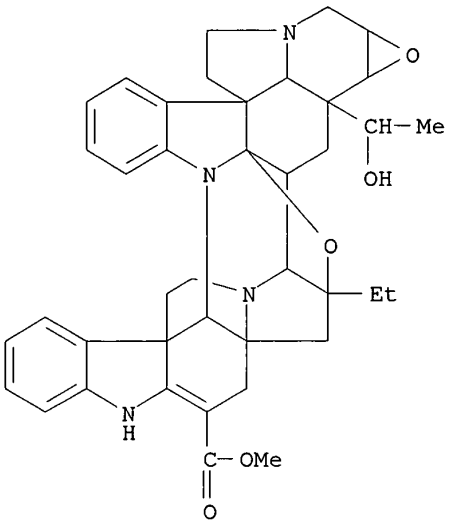
L8 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1982:82682 CAPLUS
DN 96:82682
TI New dimeric indole alkaloids from Stenosolen heterophyllus: structure determinations and synthetic approach
AU Henriques, Amelia; Kan, Christiane; Chiaroni, Angele; Riche, Claude; Husson, Henri Philippe; Kan, Siew Kwong; Lounasmaa, Mauri
CS Inst. Chim. Subst. Nat., Gif-sur-Yvette, F-91190, Fr.
SO J. Org. Chem. (1982), 47(5), 803-11
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
GI For diagram(s), see printed CA Issue.
AB Alkaloids of the ervafolidine family, ervafolidine (I), 3-epi-ervafolidine, 19'(R)-hydroxyervafolidine, and 19'-hydroxyepiervafolidine, were isolated from leaves of S. heterophyllus. Structures of these compds. and of 4 dimeric indole alkaloids of the ervafoline series were detd. by mass spectrometry, 1H NMR, 13C NMR, and x-ray crystallog. A biogenetic pathway to take into account the formation of these alkaloids, and a synthetic approach based on this proposal was developed for the ervafoline series.
IT **70545-44-7 77784-39-5 77784-40-8 77794-87-7**
RL: BOC (Biological occurrence); BIOL (Biological study); OCCU (Occurrence)
(of Stenosolen heterophyllus)
RN 70545-44-7 CAPLUS
CN 13a,20a,23-Metheno-8H,10H,23H-indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]oxireno[6,7]indolizino[8,1-cd]carbazole-19-carboxylic acid, 9b,21a-diethyl-5,6,8a,9a,9b,9c,10a,10b,12,13,18,20,21,21a-tetradecahydro-, methyl ester, (4bR,8aR,9aS,9bS,9cS,10aS,10bS,13aS,20aS,21aS,22aR,23S,24S)- (9CI) (CA INDEX NAME)



RN 77784-39-5 CAPLUS
CN 14a,21a,24-Metheno-8H,11H,24H-indolizino[8,1-cd]indolo[2''',3''':5'',6'']a

zocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]carbazole-20-carboxylic acid, 10a,22a-diethyl-5,6,10a,10b,11a,11b,13,14,19,21,22,22a-dodecahydro-, methyl ester, (4bR,10aR,10bS,11aS,11bS,14aS,21aS,22aS,23aR,25S)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 77784-40-8 CAPLUS
CN Ervafoline, 19'-hydroxy- (9CI) (CA INDEX NAME)

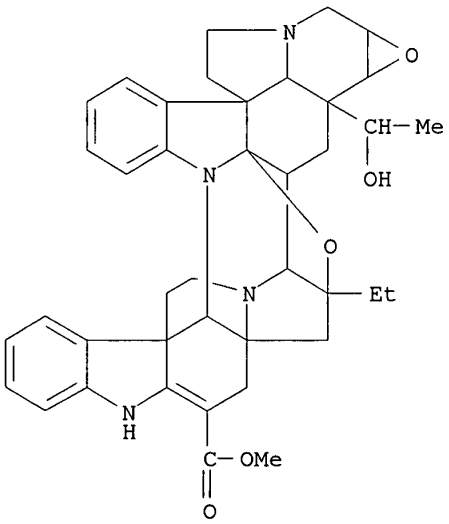


RN 77794-87-7 CAPLUS
CN Ervafoline, 14',15'-deepoxy-14',15'-didehydro-19'-hydroxy- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L8 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1981:407560 CAPLUS
DN 95:7560
TI Determination of structures by proton NMR at 400 MHz: alkaloids of Stenosolen heterophyllus
AU Henriques, Amelia; Kan, Christiane; Husson, Henri Philippe; Kan, Siew-Kwong; Lounasmaa, Mauri
CS Inst. Chim. Subst. Nat., Gif-sur-Yvette, F-91190, Fr.
SO Acta Chem. Scand., Ser. B (1980), B34(7), 509-12
CODEN: ACBOCV; ISSN: 0302-4369
DT Journal
LA English
GI For diagram(s), see printed CA Issue.
AB The structures of three new dimeric indole alkaloids, 19'-hydroxyervafoline (I) ervafolene (II, R = H) and 19'-hydroxyervafolene II (R = HO), isolated from the leaves of Stenosolen heterophyllus, were detd. by their NMR spectra.
IT **77784-39-5 77784-40-8 77794-87-7**
RL: RCT (Reactant)
(new alkaloid from Stenosolen, structure of, NMR in relation to)
RN 77784-39-5 CAPLUS
CN 14a,21a,24-Metheno-8H,11H,24H-indolizino[8,1-cd]indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]carbazole-20-carboxylic acid, 10a,22a-diethyl-5,6,10a,10b,11a,11b,13,14,19,21,22,22a-dodecahydro-, methyl ester, (4bR,10aR,10bS,11aS,11bS,14aS,21aS,22aS,23aR,25S)- (9CI) (CA INDEX NAME)

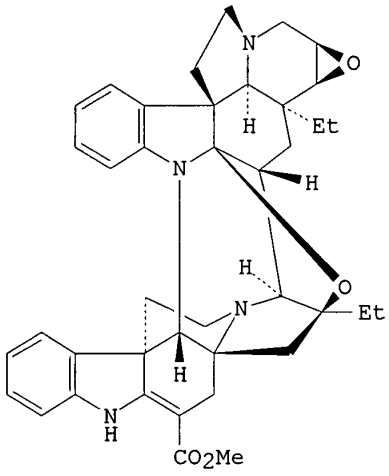
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 77784-40-8 CAPLUS
CN Ervafoline, 19'-hydroxy- (9CI) (CA INDEX NAME)



RN 77794-87-7 CAPLUS
CN Ervafoline, 14',15'-deepoxy-14',15'-didehydro-19'-hydroxy- (9CI) (CA INDEX NAME)

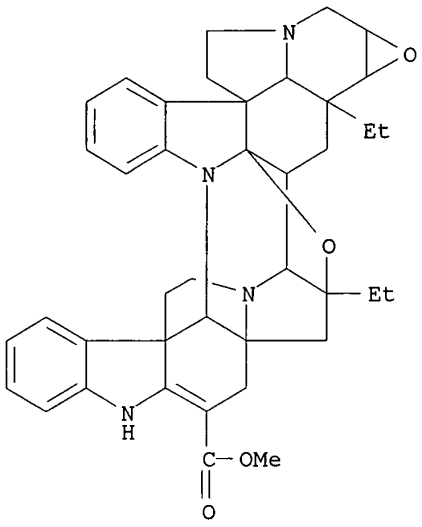
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L6 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1980:181449 CAPLUS
DN 92:181449
TI A 400 MHz proton NMR study of the dimeric indole alkaloid ervafoline
AU Henriques, Amelia; Kan, Siew-Kwong; Lounasmaa, Mauri
CS Inst. Chim. Subst. Nat., Gif-sur-Yvette, F-91190, Fr.
SO Acta Chem. Scand., Ser. B (1979), B33(10), 775-6
CODEN: ACBOCV; ISSN: 0302-4369
DT Journal
LA English
GI



I

AB Consecutive double resonance expts. were used to discover all 44 protons in the NMR of ervafoline (I).
IT **70545-44-7**
RL: PRP (Properties)
(NMR of)
RN 70545-44-7 CAPLUS
CN 13a,20a,23-Metheno-8H,10H,23H-indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]oxireno[6,7]indolizino[8,1-cd]carbazole-19-carboxylic acid, 9b,21a-diethyl-5,6,8a,9a,9b,9c,10a,10b,12,13,18,20,21,21a-tetradecahydro-, methyl ester, (4bR,8aR,9aS,9bS,9cS,10aS,10bS,13aS,20aS,21aS,22aR,23S,24S)- (9CI) (CA INDEX NAME)


N
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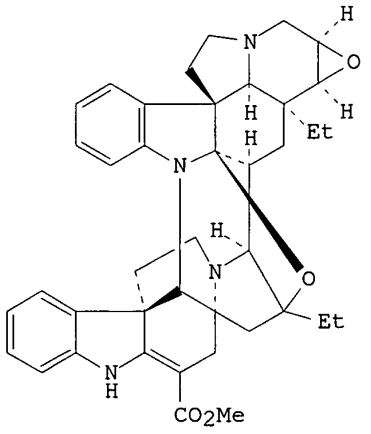
L8 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1979:420842 CAPLUS
DN 91:20842
TI A new type of indolic alkaloid dimer. Structural study and x-ray analysis of ervafoline
AU Henriques, A.; Kan-Fan, C.; Ahond, A.; Riche, C.; Husson, H. P.
CS Inst. Chim. Subst. Nat., CNRS, Gif-sur-Yvette, Fr.
SO Tetrahedron Lett. (1978), (39), 3707-10
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA French
GI

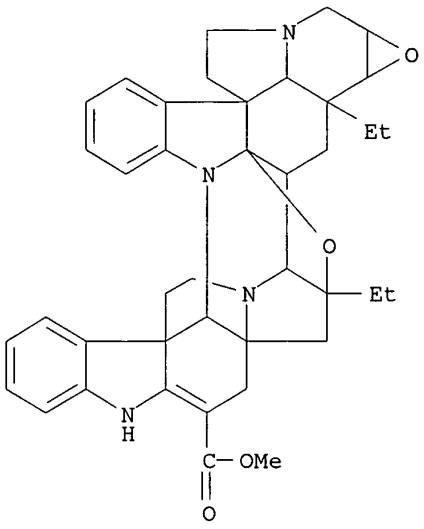


I

AB The structure and abs. configuration of ervafoline (I), an indolic alkaloid dimer isolated from Stenosolen heterophyllus, was detd. from spectral data and by x-ray crystallog. anal. A biosynthetic scheme for the formation of I is reported.

IT **70545-44-7**
RL: RCT (Reactant)
(of Stenosolen heterophyllus, crystal structure and abs. configuration of)

RN 70545-44-7 CAPLUS
CN 13a,20a,23-Metheno-8H,10H,23H-indolo[2''',3''':5'',6'']azocino[1'',2'':1',5']pyrrolo[2',3':4,5]furo[2,3-m]oxireno[6,7]indolizino[8,1-cd]carbazole-19-carboxylic acid, 9b,21a-diethyl-5,6,8a,9a,9b,9c,10a,10b,12,13,18,20,21,21a-tetradecahydro-, methyl ester, (4bR,8aR,9aS,9bS,9cS,10aS,10bS,13aS,20aS,21aS,22aR,23S,24S)- (9CI) (CA INDEX NAME)


N
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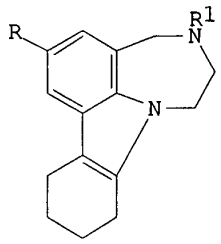
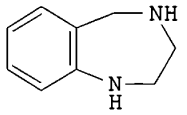
O

L8 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1977:121311 CAPLUS
DN 86:121311
TI Synthesis of 1,2,3,4,8,9,10,11-octahydro[1,4]diazepino[6,5,4-jk]carbazole and related compounds
AU Kim, Dong Han
CS Res. Div., Wyeth Lab., Inc., Philadelphia, Pa., USA
SO J. Heterocycl. Chem. (1976), 13(6), 1187-92
CODEN: JHTCAD
DT Journal
LA English
GI



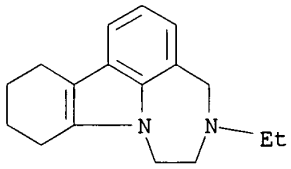
I



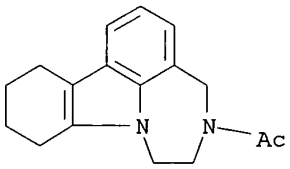
II

AB 1,2,3,4,8,9,10,11-Octahydro[1,4]diazepino[6,5,4-jk]carbazole (I, R = R1 = H) was prepd. from 2,3,4,5-tetrahydro-1H-benzodiazepine (II) via acetylation, nitrosation, redn., cyclization with cyclohexanone, and deacetylation. Similarly prepd. were I (R = Cl, R1 = Ac; R = H, R1 = Me).

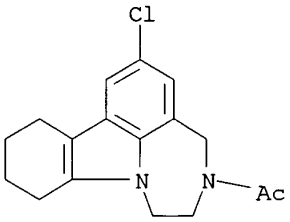
IT **57756-50-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and chlorination of)
RN 57756-50-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



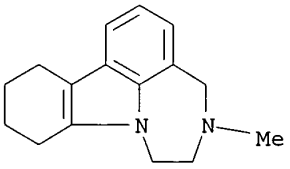
IT **57756-41-9P 57756-42-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and deacetylation of)
RN 57756-41-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



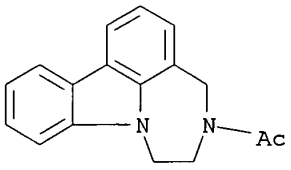
RN 57756-42-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-6-chloro-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



IT **57756-43-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and quaternization of)
RN 57756-43-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-3-methyl- (9CI) (CA INDEX NAME)

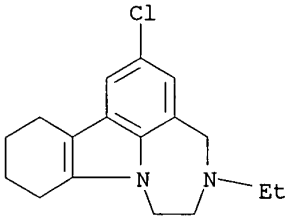


IT **57756-46-4P 57756-54-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and redn. of)
RN 57756-46-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

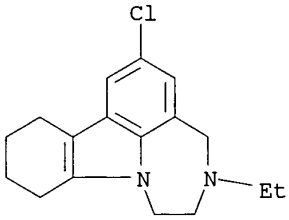


RN 57756-54-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-3-ethyl-1,2,3,4,8,9,10,11-

octahydro- (9CI) (CA INDEX NAME)

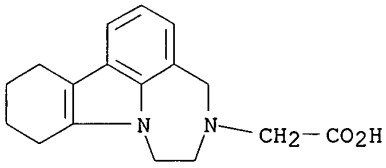


IT **57716-82-2P 57716-83-3P 57716-84-4P**
57756-44-2P 57756-45-3P 57756-48-6P
57756-49-7P 57756-51-1P 57756-52-2P
57756-53-3P 61471-61-2P 62088-85-1P
62088-86-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57716-82-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-3-ethyl-1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)



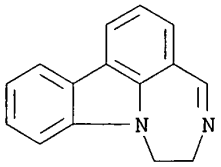
● HCl

RN 57716-83-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole-3(4H)-acetic acid, 1,2,8,9,10,11-hexahydro-, sodium salt (9CI) (CA INDEX NAME)

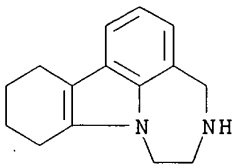


● Na

RN 57716-84-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2-dihydro- (9CI) (CA INDEX NAME)

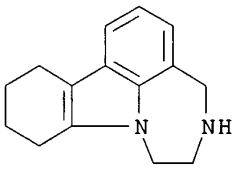


RN 57756-44-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

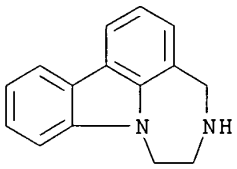
RN 57756-45-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



RN 57756-48-6 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4-tetrahydro-, sulfate (2:1) (9CI) (CA INDEX NAME)

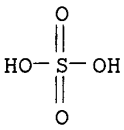
CM 1

CRN 57756-47-5
CMF C15 H14 N2

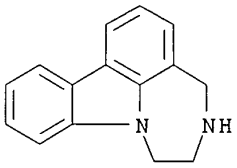


CM 2

CRN 7664-93-9
CMF H2 O4 S

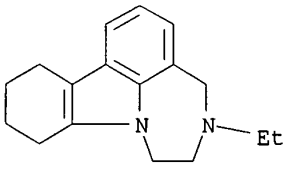


RN 57756-49-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)



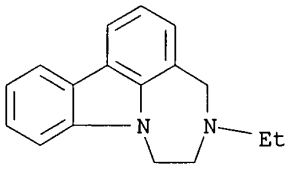
● HCl

RN 57756-51-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)

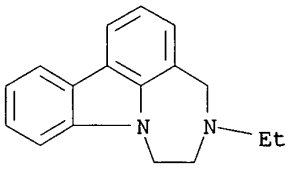


● HCl

RN 57756-52-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

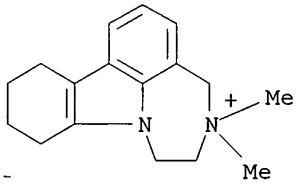


RN 57756-53-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)



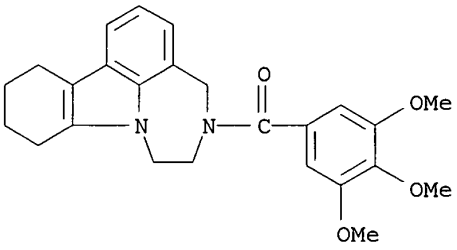
● HCl

RN 61471-61-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazolium, 1,2,3,4,8,9,10,11-octahydro-3,3-dimethyl-, iodide (9CI) (CA INDEX NAME)

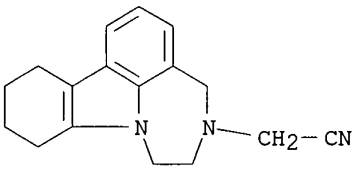


● I^-

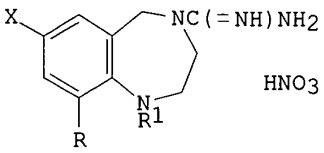
RN 62088-85-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-3-(3,4,5-trimethoxybenzoyl)- (9CI) (CA INDEX NAME)



RN 62088-86-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole-3(4H)-acetonitrile, 1,2,8,9,10,11-hexahydro- (9CI) (CA INDEX NAME)

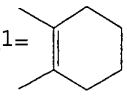


L8 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1977:114977 CAPLUS
DN 86:114977
TI Derivatives of tetrahydro-1,4-benzodiazepines as potential antihypertensive agents
AU Kim, Dong Han; Baum, Thomas
CS Med. Chem. Sect., Wyeth Lab., Inc., Philadelphia, Pa., USA
SO J. Med. Chem. (1977), 20(2), 209-12
CODEN: JMCMAR
DT Journal
LA English
GI



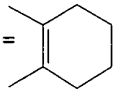
I

III, $RR^1=CH_2CH_2$

IV, $RR^1=$ 

II

V, $RR^1=CH_2CH_2$, $R^2=R^4=Me$, $R^3=X=Y=H$

VI, $RR^1=$  , $R^2=R^4=Me$, $R^3=X=Y=H$

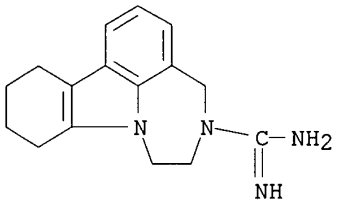
AB Redn. of benzodiazepinedione derivs. followed by amidination with 1-amidino-3,5-dimethylpyrazole nitrate [38184-47-3] gave 3 amidino derivs. (I; R = H; R1 = H, Me; X = H, Cl), while reaction of the redn. products with MeI gave 6 quaternary salts (II; R = H; R1 = H, Me, Et; R2 = Me; R3 = H, Me; R4 = Me, Et; X = H, Cl, MeO; Y = H, MeO). Bridged analogs III [61471-57-6], IV [**61471-59-8**], V [61471-60-1], and VI [**61471-61-2**] were also prepd. In tests for antihypertensive activity in conscious rats 1,2,3,5-tetrahydro-4H-1,4-benzodiazepine-4-carboxamidine nitrate (I; R = R1 = X = H) [58483-85-5], its Me deriv. (I; R = X = H; R1 = Me) [58483-89-9], II(R = R1 = R3 = X = Y = H; R2 = R4 = Me) [57247-57-1], and V gave marked blood pressure lowering (>50 mm Hg) at oral doses of 75 mg/kg. Structure-activity relations and evidence linking activity to sympathetic nervous system impairment are discussed.

IT **61471-59-8P 61471-61-2P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and antihypertensive activity of)

RN 61471-59-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole-3(4H)-carboximidamide, 1,2,8,9,10,11-hexahydro-, mononitrate (9CI) (CA INDEX NAME)

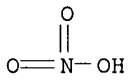
CM 1

CRN 61471-58-7
CMF C16 H20 N4

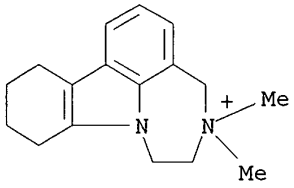


CM 2

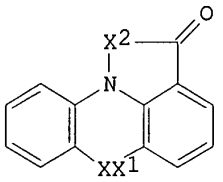
CRN 7697-37-2
CMF H N O3



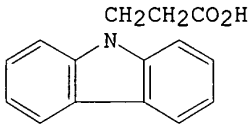
RN 61471-61-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazolium, 1,2,3,4,8,9,10,11-octahydro-3,3-dimethyl-, iodide (9CI) (CA INDEX NAME)



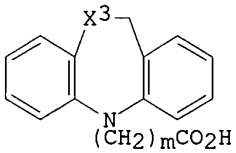
L8 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1976:560051 CAPLUS
DN 85:160051
TI Synthesis and properties of some tetracyclic derivatives of 9H-carbazole, 10,11-dihydro-5H-dibenz[b,f]azepine, and 5,11-dihydrodibenz[b,e][1,4]oxazepine
AU Toscano, Luciano; Seghetti, Ennio; Fioriello, Giuseppe
CS Dep. Synth. Chem. Res., Pierrel S.p.A., Milan, Italy
SO J. Heterocycl. Chem. (1976), 13(3), 475-80
CODEN: JHTCAD
DT Journal
LA English
GI



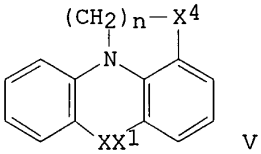
I



II



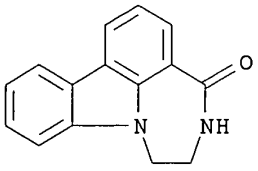
III, X^3=CH_2, m=2



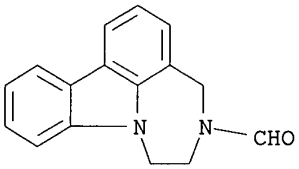
V

IV, X^3=O, m=3

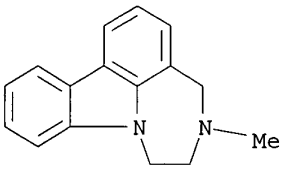
AB The tetracyclic heterocycles I [XX1 = -, X2 = (CH2)2; XX1 = X2 = (CH2)2; XX1 = CH2O, X2 = (CH2)3; XX1 = OCH2, X2 = (CH2)3], prepd. by cyclization of the carbazole II, dibenzazepine III, or dibenzoxazepine IV, were treated with polyphosphoric acid-NaN3 to give the lactams V (XX1 = -, X4 = NHCO, n = 2; XX1 = (CH2)2, X4 = NHCO, n = 2; XX1 = CH2O, X4 = CONH, n = 3; XX1 = OCH2, X4 = CONH, n = 3).
IT **60579-02-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and formylation of)
RN 60579-02-4 CAPLUS
IT **59705-06-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and redn. of)
RN 59705-06-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazol-4(1H)-one, 2,3-dihydro- (9CI) (CA INDEX NAME)



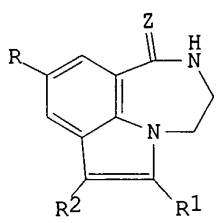
IT **60579-06-8P 60579-08-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 60579-06-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole-3(4H)-carboxaldehyde, 1,2-dihydro- (9CI) (CA INDEX NAME)

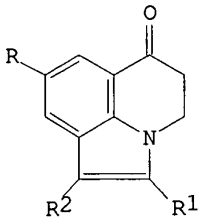


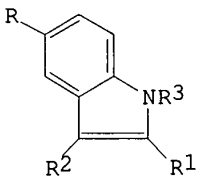
RN 60579-08-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4-tetrahydro-3-methyl- (9CI) (CA INDEX NAME)

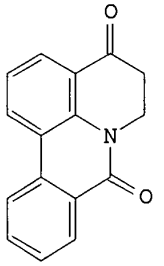


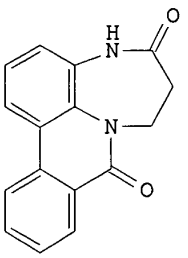
L8 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1976:432967 CAPLUS
DN 85:32967
TI Schmidt reaction of tetrahydroquinolone derivatives
AU Haerter, H. P.; Stauss, U.; Osiecki, J. H.; Schindler, O.
CS Forschungsinst., Wander A.-G., Bern, Switz.
SO Chimia (1976), 30(2), 50-2
CODEN: CHIMAD
DT Journal
LA German
GI

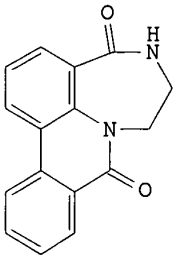

I


II


III


IV

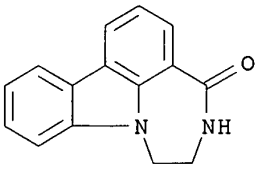

V


VI

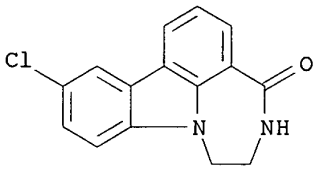
AB Diazepinones I [Z = O; R = H, R1 = H, Et, R2 = Me, R1R2 = (CH)4, CH:CHCCl:CH, (CH2)4; R = Cl, R1 = R2 = Me, R1R2 = (CH2)4] were obtained by Schmidt reaction of the tetrahydroquinolones II. Structure of I (Z = O) was confirmed by redn. to I (Z = H2). II were prepd. by treating III (R3 = H) with CH2:CHCN, ethanolysis of III (R3 = CH2CH2CN), hydrolysis of III (R3 = CH2CH2CO2Et), and cyclization of III (R3 = CH2CH2CO2H). Schmidt reaction of IV, similarly prepd. from phenanthridone, gave isomeric diazepinones V and VI.

IT **59705-06-5P 59705-07-6P 59705-08-7P**
59705-09-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and redn. of)

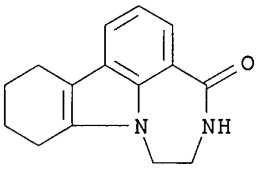
RN 59705-06-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazol-4(1H)-one, 2,3-dihydro- (9CI) (CA INDEX NAME)



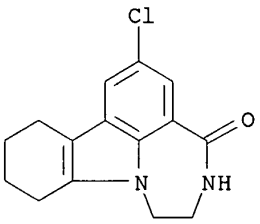
RN 59705-07-6 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazol-4(1H)-one, 9-chloro-2,3-dihydro- (9CI) (CA INDEX NAME)



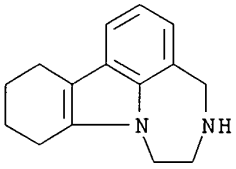
RN 59705-08-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazol-4(1H)-one, 2,3,8,9,10,11-hexahydro- (9CI) (CA INDEX NAME)



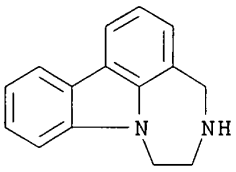
RN 59705-09-8 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazol-4(1H)-one, 6-chloro-2,3,8,9,10,11-hexahydro- (9CI) (CA INDEX NAME)



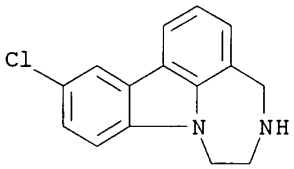
IT **57756-45-3P 57756-47-5P 59705-11-2P 59705-12-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57756-45-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



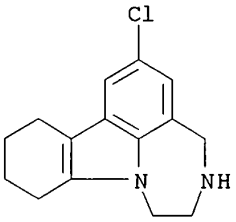
RN 57756-47-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



RN 59705-11-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 9-chloro-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



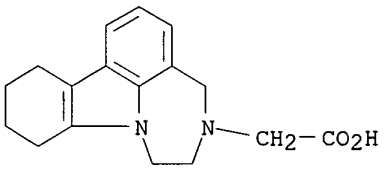
RN 59705-12-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



L8 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1976:31150 CAPLUS
DN 84:31150
TI 1,4-Diazepino[6,5,4-jk]carbazoles
IN Kim, Dong H.
PA American Home Products Corp., USA
SO U.S., 7 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

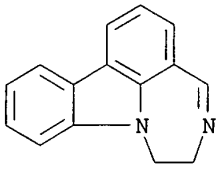
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3914250	A	19751021	US 1974-493807	19740801

GI For diagram(s), see printed CA Issue.
AB Anticonvulsant diazepinocarbazoles I-IV (R = H, Ac, Me, Et, CH2CO2Na; R = H, Cl)(11 compds.) were prepd. from benzodiazepine IV (R = H, Me, R1 = H, Cl). Thus, I(R = Ac, R1 = H), obtained from IV (R = R1 = H) via acetylation, nitrosation, redn. using Zn dust and HOAc, and then condensation with cyclohexanone, underwent deacetylation to I(R = R1 = H) and then N-alkylation with BrCH2CO2Et to give I(R = CH2CO2Na,R1 = H). Refluxing a xylane soln. of I(R = Ac, R1 = H) with Pd/C gave II, which was deacetylated to II(R = R1 = H) or was reduced with LiAlH4 to II(R = Et, R1 = H). III (R1 = H) was obtained from I(R= Ac, R1 = H) by successive redn. with LiAlH4 and then dehydrogenation using Pd/C. I(R = Ac, R1 = H) had an ED50 of 112 mg/kg against extensor seizures in mice.
IT **57716-83-3P 57716-84-4P 57756-42-0P**
57756-45-3P 57756-47-5P 57756-50-0P
57756-52-2P 57756-54-4P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and anticonvulsant activity of)
RN 57716-83-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole-3(4H)-acetic acid, 1,2,8,9,10,11-hexahydro-, sodium salt (9CI) (CA INDEX NAME)

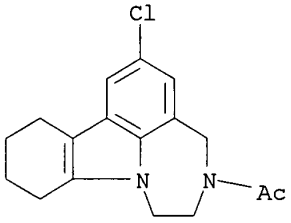


● Na

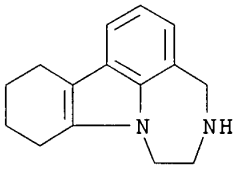
RN 57716-84-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2-dihydro- (9CI) (CA INDEX NAME)



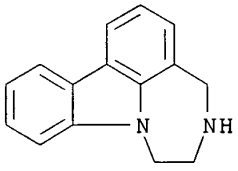
RN 57756-42-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-6-chloro-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



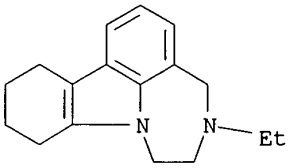
RN 57756-45-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



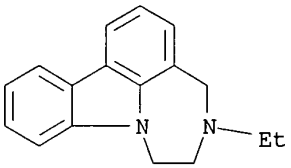
RN 57756-47-5 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



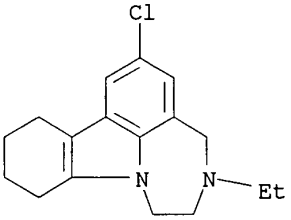
RN 57756-50-0 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



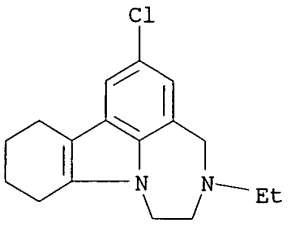
RN 57756-52-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



RN 57756-54-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-3-ethyl-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)

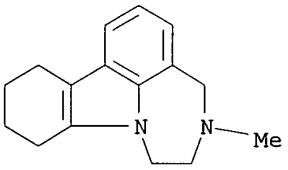


IT **57716-82-2P 57756-43-1P 57756-44-2P**
57756-48-6P 57756-49-7P 57756-51-1P
57756-53-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57716-82-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 6-chloro-3-ethyl-1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)

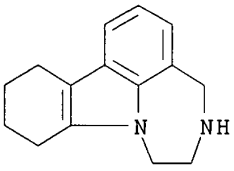


● HCl

RN 57756-43-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-3-methyl-(9CI) (CA INDEX NAME)



RN 57756-44-2 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)

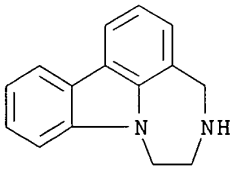


● HCl

RN 57756-48-6 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4-tetrahydro-, sulfate (2:1) (9CI) (CA INDEX NAME)

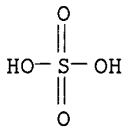
CM 1

CRN 57756-47-5
CMF C15 H14 N2

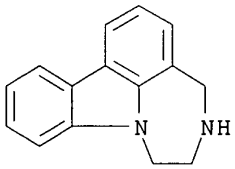


CM 2

CRN 7664-93-9
CMF H2 O4 S

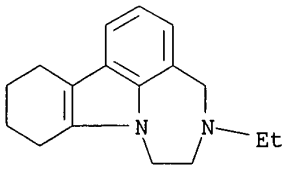


RN 57756-49-7 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)



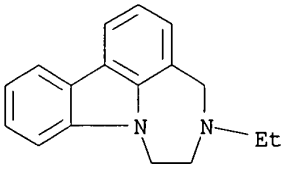
● HCl

RN 57756-51-1 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4,8,9,10,11-octahydro-, monohydrochloride (9CI) (CA INDEX NAME)



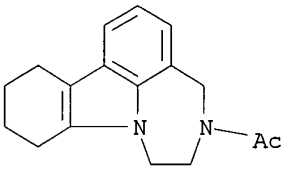
● HCl

RN 57756-53-3 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-ethyl-1,2,3,4-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

IT **57756-41-9P 57756-46-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn., reaction, and anticonvulsant activity of)
RN 57756-41-9 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4,8,9,10,11-octahydro- (9CI) (CA INDEX NAME)



RN 57756-46-4 CAPLUS
CN [1,4]Diazepino[6,7,1-jk]carbazole, 3-acetyl-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)